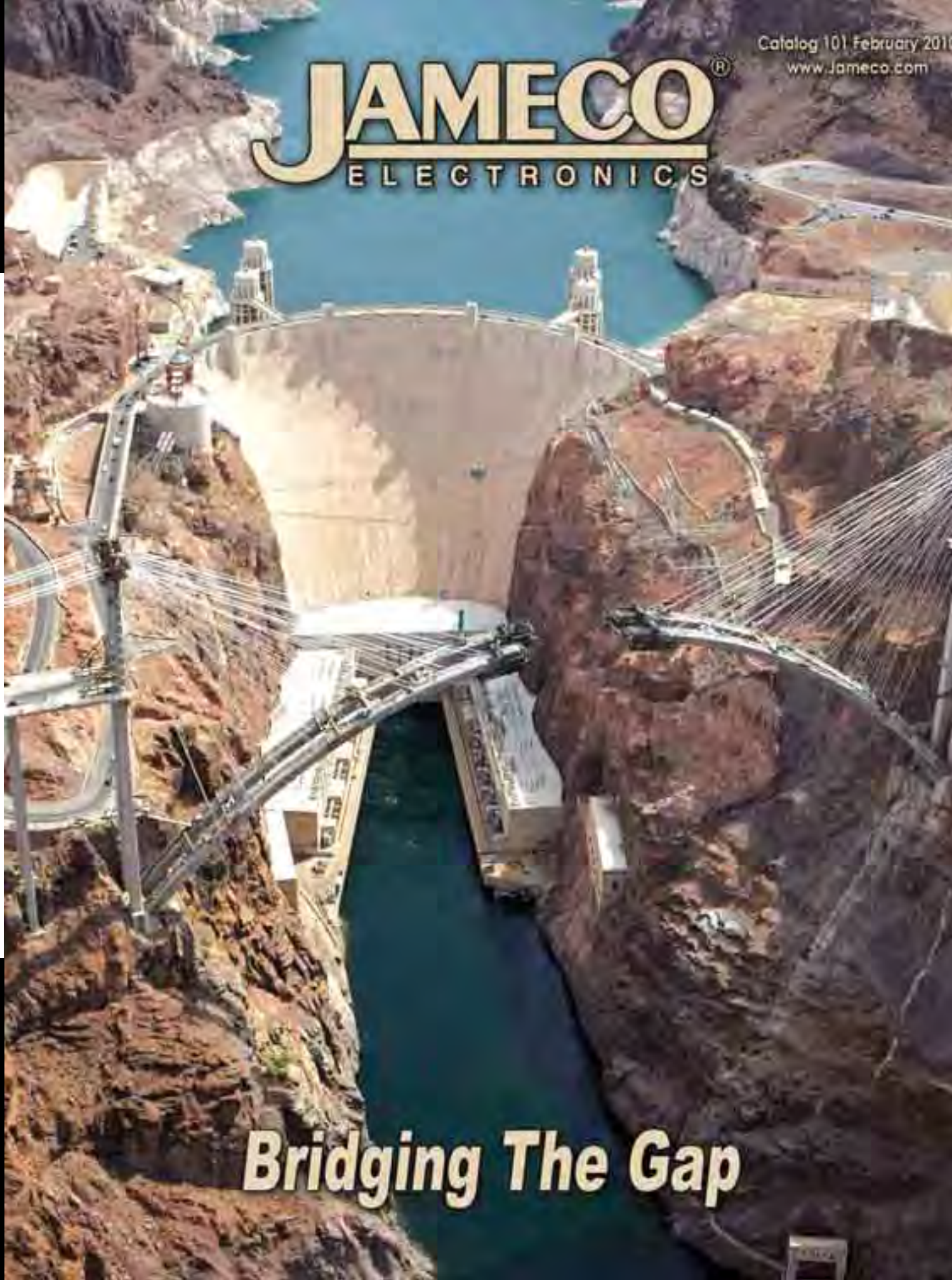
Catalog 101 February 2010
www.Jameco.com

JAMECO® ELECTRONICS



Bridging The Gap

JAMECO ELECTRONICS

WWW.JAMECO.COM REACH FOR JAMECO FIRST!

CATALOG 101 FEBRUARY 2010

90W Universal Notebook AC Adapter

Stay Connected!

A leading manufacturer of desktop computer power supplies, Sparkle Power Inc. has recently added universal notebook adapters to their product line. This universal adapter is compatible with most 19V input notebooks, including IBM, SONY, Acer, HP, COMPAQ, ASUS, Lenovo, and more. Visit our website for a complete listing of compatible notebooks.

- AC Input: 100~240V Universal Input • Efficiency: Up to 89%
- Complies with CEC Level 4 and Energy Star 2.0
- 7 DC Output Tips for Maximum Compatibility
- Safety: CE, UL/CUL, FCC, CB, TUV/GS, GOST

Part No.	Product No.	Description	1	10	50
2099411	FSP090-DMCB1	19VDC @ 4.74A, 90W max.	$59.95	$53.95	$47.95

See pages 122-126 for more Table-Top Power Supplies

PowerFilm USB + AA Solar Charger

Perfect for Everyday Use!

Lightweight and ultra compact, this charger is easy to use and extremely durable. The USB & AA battery solar charger provides a full charge in only four hours of full sunlight. A charging light on the side of the enclosure indicates charging status and integration of PowerFilm flexible solar panels on the fabric allows for easy storage.

- Folds up compactly to fit into pocket • Weighs 4.9oz without batteries
- Charges 2 AA rechargeable batteries and most small USB devices
- Size: 3.25" x 5.5" x 1.38" (folded); 24" x 5.5" (unfolded)
- Solar operating voltage: 3.6V @ 0.4mA • USB charging voltage: 5.0V

Part No.	Description	1	5	25
2097133	USB + AA Charger	$89.95	$79.95	$69.95

Additional Solar Products on page 183.

JAMECO ValuePro USB 3.0 Cables A-Male To B-Male

10x Faster than 2.0!

2095218

The world's best known computer peripheral interface just got faster. USB 3.0 SuperSpeed Cables offers the next great leap in data transfer speeds between storage devices and peripherals. The 3.0 specification with SuperSpeed 5 Gbps data transfer rate boasts amazing performance that will allow consumers and businesses to get more done in less time.

- 5 Gbps data transfer rate and signaling rate offering 10x performance increase over Hi-Speed USB (USB 2.0)
- Sync-N-Go technology that minimizes user wait-time
- Backwards compatible with USB 2.0. Devices interoperate with USB 2.0 Platforms.

Part No.	Description	1	10
2095218	6' black cable℞	$6.95	$6.25
2095226	10' black cable℞	7.95	7.15

For more USB Products see page 181

Dynamic & Ceramic Mono Earphones

Perfect for Portable Radios, Tape Recorders & Assistive Listening Devices

2098460/ 2098451/ 2098443

2098427

Kobitone Earphones is a new product offering from Jameco Electronics. We are offering Dynamic-type earphones for multiple channel audio with 8Ω ±20% impedance, PVC jacket cord and earpiece. The Ceramic type earphones for single channel audio have an impedance of 20MΩ min., 15,000pF capacitance and a sensitivity of 57dB, tinned wires and an acrylic earpiece.

KOBITONE

Part No.	Product No.	Type	Connector	Length	1	10	100
2098460	25DE035-ROX℞	Dynamic	3.5mm	3'	$1.75	$1.49	$1.25
2098443	25DE024-ROX	Dynamic	2.5mm	6'	1.95	1.75	1.49
2098451	25DE034-ROX℞	Dynamic	3.5mm	6'	1.95	1.75	1.49
2098427	25CR035-ROX℞	Ceramic	3.5mm	3'	1.95	1.75	1.49
2098435	25CR060-ROX	Ceramic	Tinned	3'	2.495	2.25	1.95

For complete specifications see page 102

WattStopper Isolé 8-Outlet Power Strip w/ Personal Sensor

Shuts Down When You're Not Around!

An energy efficient control system that provides maximum surge and noise suppression. Automatically turns all controlled devices on when workspace is occupied and off when unoccupied, for the user-defined delay time. Sensor equipped with a 120˚ detection arc covering 300 square feet.

- 8-outlets: six controlled by sensor; two uncontrolled
- Two LED indicators for correct wiring and surge protection function
- Electrical rating: 120VAC, 12A, 50/60Hz
- 12A dry contact relay • UL1449 rating: 400V
- Joule rating: 740 joules • UL/CUL approved
- Initial clamping voltage: 200V • Maximum surge amperage: 48000A
- 7' 7" 3-prong right angle power cord • Size: 9.5"L x 3.8"W x 1.6"H

Includes: Sensor and mounting plate, 9' sensor cable

Part No.	Product No.	Description	1	10	25
2095200	IDP-3050	8-outlet power strip w/ sensor	$59.95	$53.95	$48.95

See Page 177 for additional Power Protection Products

MCD High Power LEDs

Brighten Your Horizon!

2006895

2096843

Exceptionally bright and efficient these LEDs are ideally suited for applications including large signage, exterior landscape, architectural lighting, stage lighting, and many other commercial and industrial applications. Viewing angles include 90˚ or 140˚.

- ESD protection
- Superior high-flux output and high luminance
- Use insulator P/N 1582575, pg 24 to isolate heat sink
- Use heat sink P/N 696600, pg 23 & thermal compound P/N 236823, pg 167
- The Lambertian or 'High Dome' LED that has a high hemispherical dome with a wider 140˚ viewing angle and project a wider, but clearer light beam.

Part No.	Mfr. Product No.	Power	Color	Viewing Angle	1	10
2006895	LGLW-311H℞	1W	White	90˚	$7.95	$7.25
2096780	MCDL-L20-350HPCW℞	1W	White	140˚	6.95	6.25
2096843	MCDL-L20-350HPCWS℞*	1W	White	140˚	6.95	6.25
2096798	MCDL-L20-350HPWW℞	1W	Warm White	140˚	6.95	6.25
2096851	MCDL-L20-350HPWWS℞*	1W	Warm White	140˚	7.95	6.95
2096819	MCDL-L20-350HPUY℞	1W	Yellow	140˚	5.95	5.49
2096886	MCDL-L20-350HPUYS℞*	1W	Yellow	140˚	6.95	6.25
2096827	MCDL-L20-350HPPG℞	1W	Green	140˚	6.95	6.25
2096974	MCDL-L20-350HPPGS℞*	1W	Green	140˚	7.95	6.95
2006908	313H1℞	3W	White	90˚	14.95	13.49

* Pre-mounted on a star shaped metal-core printed circuit board, intended to simplify the integration process for users who don't want to design and manufacture metal-core PCBs and engineer thermal solutions.

Complete specifications on page 31

JAMECO ValuePro 1/4 Lb. Magnet Wire

Excellent Windability!

Plain enamel magnet wire is used for many custom winding applications including: headphones, loudspeakers, coils, inductors, transformers, motors, ballasts, relays, and timers where creating a magnetic field is required. It is solid bare copper with a Polyurethane/Polyamide (nylon) insulation. Jameco now carries 16 to 24 AWG in the temperature range -22˚ to 266˚F.

- Temp range: -22˚ to 266˚F, -30˚ to 130˚C • Solderable @ 806˚F/430˚C
- Approvals: MIL JW-1177/42, MW 80-C, Class C

Part No.	Description	O.D (in.)	Length (ft.)	1	5	25
2098371	16 AWG℞	.0524	32	$5.49	$4.95	$4.49
2098380	18 AWG℞	.0418	51	5.75	5.25	4.75
2098398	20 AWG℞	.0334	81	5.95	5.49	4.95
2098401	22 AWG℞	.0265	129	6.49	5.95	5.49
2098419	24 AWG℞	.0213	205	6.95	6.49	5.95

See page 57 for our complete selection of Wire

Bridging The Gap

Jameco is celebrating 35 years in the electronic components business. Since 1975 we've been sourcing, stocking, and supplying our customers with quality products that has grown to more than 70,000 SKUs today. But, what we think really sets us apart is our ability to design real service into every transaction. The average Jameco employee has worked here for over 9 years and thus brings experience, commitment and integrity to every customer interaction.

The Hoover Dam Bypass spans 2000 feet long and rises 900 feet above the Black Canyon in Nevada. Its planned opening is in late 2010. Learn more at www.hooverdambypass.org.

On the Cover: What better way to celebrate our anniversary year than to share the sheer beauty of an engineering wonder in the making on the cover. The Hoover Dam Bypass will replace the current high-wire traverse around Hoover Dam later this year, connecting Nevada to Arizona. While this stunning accomplishment has been a little more than 5 years in the making, we think it symbolizes Jameco's work on bridging the gap with customers — something we've been working on perfecting for more than 35 years. We'll never take your business for granted.

The Difference Is Clear

We focus on new products, competitive prices, and inventory that's ready to ship the same day you order. We think we can be your best electronic component supplier.

We are one of the few to offer a true choice with a wide selection of brand names, house brands (pricing colored yellow) and factory overrun inventory (pricing colored green)

Our pricing is designed to beat our competitors and when you tell us we get it wrong we make every effort to correct the price.

We are flexible and customer driven. If you need a product modified or don't see what you are looking for, call us and we'll do our best to accommodate your request.

We aren't automated, we're real people. From George in the warehouse, to Sam in purchasing, Connie on the phones or Viola in credit, the Jameco team stands ready to serve. We're experienced, accountable and responsive to the needs of our customers.

We want you to have direct access to Jameco management. James, our Chief Operating Officer, is on the phone with customers every single day and the management team monitors a special e-mail box designed to give customers direct access to the company's decision makers. Write us at Management@Jameco.com. We read all our emails and respond quickly.

A Better Catalog...

- ***Web Codes*** *allow you to quickly jump from catalog to website for the latest pricing, availability and more products not included in the catalog.*
- *The* ***industry's longest warranty*** *guarantees everything we sell for 90 days and a full year on Jameco brands.*
- *We don't put different manufacturers on different pages, we present product in* ***easy-to-read tables*** *to make finding and comparing the right product easy.*
- *Our* ***Clearance and Tech Closeout Centers*** *include a wealth of specially priced products. For large quantities go to www.Jameco.com/Clearance or for smaller limited quantities visit www.Jameco.com/TechCenter.*

We're Jameco, we look forward to serving you soon and appreciate your business.

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Prices are effective 1-04-2010. Prices and discounts are subject to change without notice.

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Semiconductor Index

3 LEVELS OF SAVINGS: NAME BRANDS | HOUSE BRANDS | FACTORY OVERRUN

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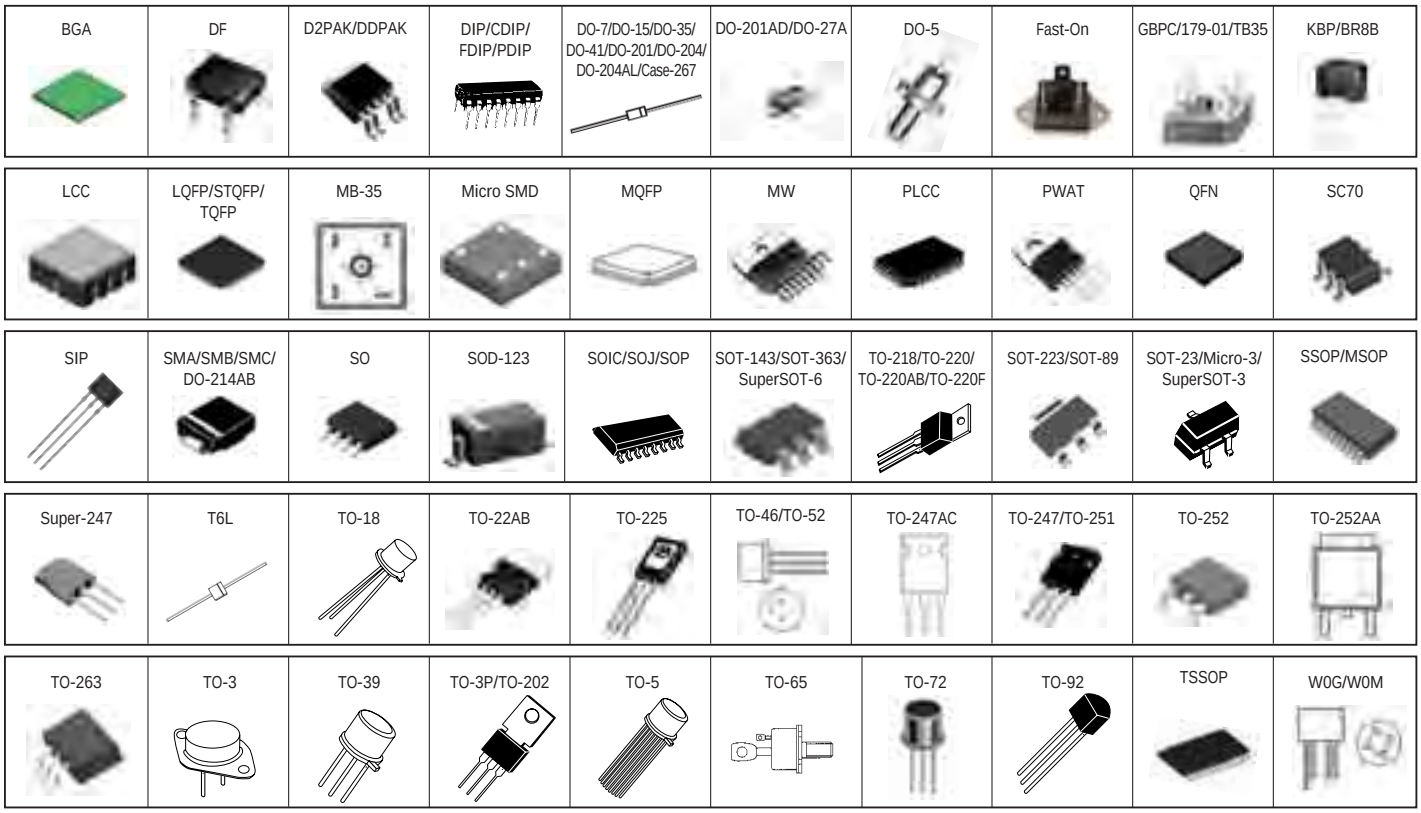

Please refer to datasheets at www.Jameco.com for more detailed illustrations and specifications

7400, 74ABT/AC/ACT, 74ALS/ALVC, 74C & 74F Series

7400 Series

★Web Code: XAG

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
48979	✦	7400N**	DIP-14	Quad 2-input pos. NAND gate	$.89	$.79	$.65
910901	TI	SN7400N℞	DIP-14	Quad 2-input pos. NAND gate	.99	.89	.75
49007	✦	7401N	DIP-14	Quad 2-input NAND gate (O.C.)	.89	.79	.65
49015	✦	7402N*	DIP-14	Quad 2-input pos. NOR gate	1.09	.95	.75
49040	✦	7404N**	DIP-14	Hex inverter	1.09	.95	.75
49074	✦	7405N*	DIP-14	Hex inverter (O.C.)	.69	.59	.45
49091	✦	7406N**	DIP-14	Hex inverter buffer/driver	.69	.65	.59
910987	TI	SN7406N℞	DIP-14	Hex inverter buffer/driver	.79	.75	.65
49120	✦	7407N**	DIP-14	Hex buffer/driver	.69	.65	.59
49146	✦	7408N*	DIP-14	Quad 2-input pos. AND gate	1.49	1.35	1.25
49189	✦	7410N*	DIP-14	Triple 3-input pos. NAND gate	.89	.79	.59
49402	✦	7413N	DIP-14	Dual 4-input pos. NAND gate	1.25	1.15	1.05
49437	✦	7414N*	DIP-14	Hex schmitt-trigger inverter	.89	.79	.69
49630	✦	7416N*	DIP-14	Hex inverter buffer/driver (O.C.)	1.19	1.09	.99
49728	✦	7417N*	DIP-14	Hex buffer/driver (O.C. hi-volt)	1.09	.99	.89
50008	✦	7420N*	DIP-14	Dual 4-input NAND gate	.99	.89	.75
50139	✦	7427N	DIP-14	Triple 3-input NOR gate	.89	.79	.69
50227	✦	7430N*	DIP-14	8-input NAND gate	.69	.59	.45
50235	✦	7432N*	DIP-14	Quad 2-input pos. OR gate	1.05	.95	.75
50315	✦	7438N*	DIP-14	Quad 2-input NAND buffer	.79	.69	.59
50374	✦	7442N	DIP-16	4 line BCD to 10 line decimal decoder	1.45	1.25	1.15
50403	✦	7445N	DIP-16	BCD-to-decimal decoder/driver	1.55	1.35	1.09
50420	✦	7447N*	DIP-16	BCD-to-7 seg. decoder/driver	1.59	1.45	1.15
50526	✦	7472N	DIP-14	AND-gated J-K master-slave flip-flop	.89	.79	.69
50534	✦	7473N	DIP-14	Dual J-K neg-edge-triggered flip-flop	1.95	1.75	1.59
50551	✦	7474N**	DIP-14	Dual D type flip-flop	.79	.69	.59
50577	✦	7475N	DIP-16	4-bit bistable latch	2.49	2.35	2.19
50593	✦	7476N	DIP-16	Dual J-K pos-edge-triggered flip-flop	2.95	2.65	2.39
50631	✦	7483N	DIP-16	4-bit binary full adder	2.95	2.65	2.39
50657	✦	7485N*	DIP-16	4-bit magnitude comparator	2.15	1.95	1.75
50665	✦	7486N	DIP-14	Quad 2-input exclusive OR gate	1.75	1.59	1.45
50681	✦	7489N	DIP-16	64-bit read/write mem	3.95	3.75	3.49
50690	✦	7490N	DIP-14	Asynchronous decade counter	2.95	2.65	2.39
50745	✦	7493N	DIP-14	4-bit binary counter	1.75	1.59	1.45
50770	✦	7495N*	DIP-14	4-bit parallel-access shift register	1.45	1.25	1.15
49234	✦	74107N*	DIP-14	Dual J-K flip-flop with clear	.79	.69	.59
49322	✦	74121N*	DIP-14	Monostable multivibrator	1.49	1.35	1.25
49357	✦	74123N*	DIP-16	Dual monostable multivibrator	1.75	1.59	1.45
49373	✦	74125N	DIP-14	Tri-state quad bus buffer	1.49	1.35	1.19
49496	✦	74148N	DIP-16	8-to-3 line priority encoder	1.19	1.09	.79
49509	✦	74150N	DIP-24	1-of-16 data selector/multiplexer	2.49	2.09	1.75
49525	✦	74151N*	DIP-16	1-of-8 data selector/multiplexer	.79	.69	.45
49550	✦	74153N*	DIP-16	Dual 4-to-1 data selector/multiplexer	1.19	1.09	.79
49568	✦	74154N	DIP-24	4-to-16 line decoder/demultiplexer	1.95	1.75	1.49
49605	✦	74157N*	DIP-16	Quad 2-to-1 line data selector	.99	.89	.79
49648	✦	74160N*	DIP-16	Synchronous decade counter	.59	.55	.49
49664	✦	74161N	DIP-16	4-bit Synchronous binary counter	.89	.79	.69
49672	✦	74163N	DIP-16	Synchronous 4-bit binary counter	.79	.69	.59
49681	✦	74164N	DIP-14	8-bit serial shift register	.89	.79	.59
49779	✦	74174N*	DIP-16	Hex D-type flip-flop with clear	.69	.59	.49
49795	✦	74175N*	DIP-16	Quad D-type flip-flop with clear	1.35	1.25	1.15
49832	✦	74180N	DIP-14	9-bit odd/even parity generatr/checker	.99	.89	.49
49883	✦	74189N	DIP-16	Tri-state 64-bit RAM	2.95	2.75	2.49
49904	✦	74191N	DIP-16	Synch. 4-bit up/down binary counter	1.95	1.75	1.45
49912	✦	74192N	DIP-16	Synch. 4-bit up/down decade counter	3.95	3.75	3.49
49939	✦	74193N	DIP-16	Synch. 4-bit up/down binary counter	2.95	2.75	2.49
49955	✦	74194N	DIP-16	4-bit bi-directional shift register	1.75	1.55	1.35
49963	✦	74195N	DIP-16	4-bit parallel-access shift register	1.75	1.55	1.35

*10 pcs./ **20 pcs. in 7400 series IC cabinet kit, top right

7400 Series IC Kit

Includes: 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 169 and 30 adhesive labels for drawers to identify parts in kit

10 each: 7402, 7405, 7408, 7410, 7414, 7416, 7417, 7420, 7430, 7432, 7438, 7447, 7470, 7485, 74107, 74121, 74123, 74132, 74151, 74153, 74157, 74160, 74174, 74175, 74279

20 each: 7400, 7404, 7406, 7407, 7474

SAVE $155

Part No.	Description	Wt. (lbs.)	1	5
84953	350 pcs. 7400 IC kit	6.2	$189.95	$169.95

74ABT/AC/ACT Series

Please Note: Manufacturer may vary

★Web Code: CBA

✳ Order in multiples of 10

Part No.	Product No.	Pkg.	Description	1	10	100
266159	74ACT08M	SOIC-14	Quad 2-input pos. AND gate	✳	$.15	$.12
211983	74ACT08N	DIP-14	Quad 2-input pos. AND gate	.25	.19	.17
264145	74AC10M	DIP-14	Triple 3-input pos. NAND gate	✳	.09	.06
238887	74AC10N	DIP-14	Triple 3-input pos. NAND gate	.29	.25	.19
212003	74ACT32N	DIP-14	Quad 2-input pos. OR gate	✳	.15	.12
212011	74ACT74N	DIP-14	Dual D type flip-flop	✳	.19	.17
238730	74AC139N	DIP-16	Dual 2-to-4 decoder/demultiplexer	.25	.22	.17
238764	74AC157N	DIP-16	Quad 2-to-1 line data selector	.49	.39	.35
239054	74ACT174N	DIP-16	Hex D-type flip-flop with clear	.39	.35	.29
211908	74AC244N	DIP-20	Tri-state octal buffer/line driver	✳	.12	.09
212054	74ACT244N	DIP-20	Tri-state octal buffer/line driver	✳	.15	.12
214199	74AHC245N	DIP-20	Tri-state octal bus transceiver	✳	.15	.12
214236	74AHC574N	DIP-20	Tri-state octal D-type flip-flop	.25	.19	.15
267371	74ACT715M	SOIC-20	Programmable video sync generator	6.95	5.95	4.95
291784	74ABT2244AD	SOIC-20	Tri-state octal buffer	✳	.15	.12
291400	74ABT5402AD	SOIC-28	Tri-state 12-bit line/memory driver	2.95	2.49	1.95

74ALS/ALVC Series

Please Note: Manufacturer may vary

★Web Code: SVC

Part No.	Product No.	Pkg.	Description	1	10	100
245294	74ALS00AN	DIP-14	Quad 2-input pos. NAND gate	$.25	$.22	$.19
314309	74ALVC00T	TSSOP-14	Quad 2-input pos. NAND gate	.25	.15	.12
245307	74ALS04BN	DIP-14	Hex inverter	.25	.22	.19
314341	74ALVC08T	TSSOP-14	Quad 2-input pos. AND gate	.25	.15	.12
44134	74ALS32N	DIP-14	Quad 2-input pos. OR gate	.25	.22	.19
245892	74ALS74AN	DIP-14	Dual D-type flip-flop	.35	.25	.22
310295	74ALS244AM	SOIC-20	Tri-state octal buffer/line driver	.35	.25	.22
245788	74ALS258N	DIP-16	Quad 2-to-1 line data selector/multiplexer	.25	.15	.12

74C Series

★Web Code: RAG

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
44222	✦	74C00N	DIP-14	Quad 2-input pos. NAND gate	$1.15	$.95	$.69
44231	✦	74C04N	DIP-14	Hex inverter (CD4069)	1.15	.95	.69
44257	✦	74C14N	DIP-14	Hex schmitt-trigger inverter (CD40106)	.59	.49	.39
44361	✦	74C221N	DIP-16	Dual monostable multivibrator	3.75	3.15	2.49
44396	✦	74C373N	DIP-20	Octal D-type transparent latch	2.95	2.49	2.15
44409	✦	74C374N	DIP-20	Octal D-type flip-flop	1.95	1.75	1.49
44521	✦	74C912N	DIP-28	6-digit BCD display controller/driver	4.95	4.49	3.95
44564	✦	74C922N	DIP-18	16-key keyboard encoder	5.49	5.25	4.95
871869	FSC	MM74C922N℞	DIP-18	16-key keyboard encoder	5.95	5.49	5.25
44572	✦	74C923N	DIP-20	20-key keyboard encoder	4.95	4.25	3.95
44599	✦	74C926N	DIP-18	4-digit counter w/ 7-seg. output driver	8.75	7.95	7.75

74F Series

Please Note: Manufacturer may vary

★Web Code: CEN

Part No.	Product No.	Pkg.	Description	1	10	100
286993	74F02N	DIP-14	Quad 2-input pos. NOR gate	$.29	$.25	$.22
287005	74F04N	DIP-14	Hex inverter	.35	.29	.25
287013	74F08N	DIP-14	Quad 2-input pos. AND gate	.25	.22	.19

Continued on next page

* FSC = Fairchild Semiconductor | TI = Texas Instruments | ✦ Manufacturer Varies

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

74F Series (Continued)

Please Note: Manufacturer may vary

★Web Code: CEN

Part No.	Product No.	Pkg.	Description	1	10	100
44652	74F10N	DIP-14	Triple 3-input pos. NAND gate	$.35	$.29	$.25
287654	74F14D	SOIC-14	Hex schmitt trigger inverter	.25	.22	.19
287021	74F14N	DIP-14	Hex schmitt trigger inverter	.25	.22	.19
245121	74F30N	DIP-14	8-input NAND gate	.35	.29	.25
287638	74F32D	SOIC-14	Quad 2-input pos. OR gate	.25	.17	.15
287048	74F32N	DIP-14	Quad 2-input pos. OR gate	.35	.29	.25
245139	74F38N	DIP-14	Quad 2-input NAND buffer	.29	.25	.22
287620	74F74D	SOIC-14	Dual D-type flip-flop	.25	.17	.15
287056	74F74N	DIP-14	Dual D-type flip-flop	.25	.22	.19
287611	74F86D	SOIC-14	Quad 2-input exclusive OR gate	.35	.29	.25
287064	74F86N	DIP-14	Quad 2-input exclusive OR gate	.35	.29	.25
287566	74F138D	SOIC-16	3-to-8 line decoder/demultiplexer	.25	.17	.15
287072	74F138N	DIP-16	3-to-8 line decoder/demultiplexer	.29	.25	.22
287081	74F139N	DIP-16	Dual 2-to-4 decoder/demultiplexer	.29	.25	.22
245163	74F148N	DIP-16	8-to-3 line priority encoder	.29	.25	.22
245171	74F157AN	DIP-16	Quad 2-to-1 line data selector	.29	.25	.22
282731	74F174N	DIP-16	Hex D-type flip-flop with clear	.29	.25	.22
287540	74F244D	SOIC-20	Tri-state octal buffer/line driver	.29	.25	.22
287144	74F245N	DIP-20	Tri-state octal bus transceiver	.35	.29	.25
283557	74F257D	SOIC-16	Quad 2-to-1 data selector/multiplexer	.29	.25	.22
287099	74F273N	DIP-20	Octal D-type flip-flop	.45	.39	.35
287494	74F373D	SOIC-20	Octal D-type transparent latch	.45	.39	.35
282642	74F573N	DIP-20	3-state octal D-type transparent latch	.25	.15	.12
287216	74F574N	DIP-20	Tri-state octal D-type flip-flop	.49	.39	.35
287460	74F574D	SOIC-20	Tri-state octal D-type flip-flop	.49	.39	.35

74HC Series

★Web Code: SDJ

✳ Order in multiples of 10

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
906291	NXP	74HC00D-T℞	SOIC-14	Quad 2-input pos. NAND gate	✳	$.09	$.07
45161	✦	74HC00N	DIP-14	Quad 2-input pos. NAND gate	.25	.22	.19
906339	NXP	74HC00N℞	DIP-14	Quad 2-input pos. NAND gate	.29	.25	.22
835219	TI	SN74HC00N℞	DIP-14	Quad 2-input pos. NAND gate	.35	.29	.19
45188	✦	74HC02N	DIP-14	Quad 2-input pos. NOR gate	.29	.25	.22
906531	NXP	74HC04D-T℞	SOIC-14	Hex inverter	✳	.09	.07
45209	✦	74HC04N	DIP-14	Hex inverter	.29	.25	.22
250982	TI	SN74HC04N	DIP-14	Hex inverter	.32	.27	.23
835235	TI	SN74HC04N℞	DIP-14	Hex inverter	.35	.29	.25
906574	NXP	74HC04N℞	DIP-14	Hex inverter	.35	.29	.25
906611	NXP	74HC08D-T℞	SOIC-14	Quad 2-input pos. AND gate	✳	.09	.07
45225	✦	74HC08N	DIP-14	Quad 2-input pos. AND gate	.29	.25	.22
45364	✦	74HC14N	DIP-14	Hex schmitt-trigger inverter	.29	.25	.22
251045	TI	SN74HC14N	DIP-14	Hex schmitt-trigger inverter	.32	.27	.23
835340	TI	SN74HC14N℞	DIP-14	Hex schmitt-trigger inverter	.35	.29	.25
907411	NXP	74HC14N℞	DIP-14	Hex schmitt-trigger inverter	.35	.29	.25
45583	✦	74HC20N	DIP-14	Dual 4-input NAND gate	.29	.25	.19
915841	TI	SN74HC27DR℞	SOIC-14	Triple 3-input pos. NOR gate	✳	.09	.08
908799	NXP	74HC32D-T℞	SOIC-14	Quad 2-input pos. OR gate	✳	.09	.07
45794	✦	74HC32N	DIP-14	Quad 2-input pos. OR gate	.29	.25	.22
251088	TI	SN74HC32N	DIP-14	Quad 2-input pos. OR gate	.35	.29	.25
46130	✦	74HC74N	DIP-14	Dual D-type fip-flop	.29	.25	.22
251097	TI	SN74HC74NE4℞	DIP-14	Dual D-type fip-flop	.35	.29	.22
46156	✦	74HC75N	DIP-16	4-bit bi-stable latch	.35	.29	.25
46181	✦	74HC86N	DIP-14	Quad 2-input exclusive OR gate	.25	.22	.19
45292	✦	74HC123N	DIP-16	Dual monostable multivibrator	.29	.25	.22
45305	✦	74HC125N	DIP-14	Tri-state quad bus buffer	.25	.19	.17
380146	TI	SN74HC132PW℞	TSSOP-14	Quad 2-input NAND schmitt trigger	.25	.15	.09
45321	✦	74HC132N	DIP-14	Quad 2-input NAND schmitt trigger	.35	.29	.25
86182	✦	74HC138D	SOIC-16	3-to-8 line decoder/demultiplexer	.25	.15	.12
45330	✦	74HC138N	DIP-16	3-to-8 line decoder/demultiplexer	.35	.29	.25
45401	✦	74HC154N	DIP-24	4-to-16 line decoder (0.3" wide)	.79	.69	.59
111739	✦	74HC154N	DIP-24	4-to-16 line decoder (0.6" wide)	.49	.39	.35
45487	✦	74HC164N	DIP-14	8-bit serial shift register	.25	.22	.19
251328	TI	SN74HC164N	DIP-14	8-bit serial shift register	.29	.25	.22

74HC Series (Continued)

★Web Code: SDJ

✳ Order in multiples of 10

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
45495	✦	74HC165N	DIP-16	8-bit parallel load shift register	$.25	$.22	$.19
251336	TI	SN74HC165N	DIP-16	8-bit parallel load shift register	.35	.29	.25
380437	TI	SN74HC174PW	TSSOP-16	Hex D-type flip-flop with clear	.25	.15	.12
45541	✦	74HC192N	DIP-16	Synch. 4-bit up/down decade countr	1.49	1.39	1.25
915551	TI	SN74HC244PWR℞	TSSOP-20	Tri-state octal buffer/line driver	✳	.15	.12
45655	✦	74HC244N	DIP-20	Tri-state octal buffer/line driver	.25	.22	.19
908220	NXP	74HC244N℞	DIP-20	Tri-state octal buffer/line driver	.39	.35	.29
45671	✦	74HC245N	DIP-20	Tri-state octal bus transceiver	.25	.22	.19
45719	✦	74HC257N	DIP-16	Quad 2-to-1 data selector/multiplexer	.25	.19	.17
45743	✦	74HC273N	DIP-20	Octal D-type flip-flop	.35	.29	.25
45831	✦	74HC373N	DIP-20	Octal D-type transparent latch	.35	.29	.25
251475	TI	SN74HC373N	DIP-20	Octal D-type transparent latch	.39	.35	.29
86254	✦	74HC374D	SOIC-20	Octal D-type flip-flop	.25	.19	.15
45858	✦	74HC374N	DIP-20	Octal D-type flip-flop	.25	.22	.19
251483	TI	SN74HC374N	DIP-20	Octal D-type flip-flop	.39	.35	.29
380998	✦	74HC540T	TSSOP-20	Tri-state octal buffer/line driver	.25	.17	.15
109760	✦	74HC540N	DIP-20	Tri-state octal buffer/line driver	.39	.35	.29
381000	TI	SN74HC541PW	TSSOP-20	Tri-state octal buffer/line driver	.25	.15	.12
46050	✦	74HC541N	DIP-20	Tri-state octal buffer/line driver	.25	.22	.19
46076	✦	74HC573N	DIP-20	3-st. octal D-type transparent latch	.29	.25	.22
46084	✦	74HC574N	DIP-20	Tri-state octal D-type flip-flop	.35	.29	.22
46105	✦	74HC595N	DIP-16	8-bit shift register w/ output latch	.35	.29	.25
911189	NXP	74HC595N℞	DIP-16	8-bit shift register w/ output latch	.35	.29	.25
251643	TI	SN74HC595N	DIP-16	8-bit shift register w/ output latch	.45	.39	.35
46113	✦	74HC688N	DIP-20	8-bit identity comparator	.49	.45	.39
45891	✦	74HC4017N	DIP-16	Hi speed decade counter/divider	.39	.35	.29
88102	✦	74HC4051N	DIP-16	8-channel analog multiplexer	.25	.22	.19
272129	✦	74HC4053N	DIP-16	Triple 2-ch analog multiplexer	.29	.25	.22
45971	✦	74HC4066N	DIP-14	Quad bilateral analog switch	.35	.29	.25
252566	TI	CD74HC4316M	SOIC-16	High speed quad analog switch	.29	.25	.22
822303	TI	CD74HC4511E℞	DIP-16	BCD-to-7 seg. latch/decoder/driver	.65	.55	.45
251820	TI	CD74HC4514E	DIP-20	4-bit latch 4-16 line decoder	1.49	1.25	1.09
46017	✦	74HC4538N	DIP-16	Dual retriggerable multivibrator	✳	.09	.08

74HCT Series

Please Note: Manufacturer may vary

★Web Code: SAG

✳ Order in multiples of 10

Part No.	Product No.	Pkg.	Description	1	10	100
246027	74HCT00M	SOIC-14	Quad 2-input pos. NAND gate	✳	$.09	$.07
44871	74HCT00N	DIP-14	Quad 2-input pos. NAND gate	.25	.19	.15
44898	74HCT04N	DIP-14	Hex inverter	.25	.19	.17
63765	74HCT05N	DIP-14	Hex inverter (O.C.)	.29	.25	.22
44901	74HCT08N	DIP-14	Quad 2-input pos. AND gate	.29	.25	.22
618046	74HCT10N℞	DIP-14	Triple 3-input pos. NAND gate	.25	.22	.19
912296	74HCT14D-T℞	SOIC-14	Hex schmitt-trigger inverter	✳	.09	.07
246377	SN74HCT14D	SOIC-14	Hex schmitt-trigger inverter	✳	.09	.07
44935	74HCT14N	DIP-14	Hex schmitt-trigger inverter	.25	.22	.19
45137	74HCT74N	DIP-14	Dual D-type flip-flop	.25	.22	.19
45145	74HCT86N	DIP-14	Quad 2-input exclusive OR gate	.29	.25	.22
44927	74HCT138N	DIP-16	3-to-8 decoder/demultiplexer	.29	.25	.22
381253	SN74HCT240PW	TSSOP-20	Octal buffer/line driver	✳	.15	.12
45022	74HCT244N	DIP-20	Tri-state octal buffer/line driver	.25	.22	.19
45031	74HCT245N	DIP-20	Tri-state octal bus transceiver	.29	.25	.22
45065	74HCT373N	DIP-20	Octal D-type transparent latch	.29	.25	.22
45073	74HCT374N	DIP-20	Octal D-type flip-flop	.35	.29	.25
99303	74HCT541N	DIP-20	Tri-state octal buffer/line driver	✳	.12	.09
45090	74HCT573N	DIP-20	3-st. octal D-type transparent latch	.39	.35	.29

IC Test Clip Series

Part No.	Product No.	Description	1	10
22120	JTC20	20-pin (for 18 and 20-pin ICs)	$5.95	$4.95
22162	JTC28	28-pin (for 24 and 28-pin ICs)	6.95	6.25

* NXP = NXP/Philip Semiconductor | TI = Texas Instruments | ✦ Manufacturer Varies

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Texas Instruments | NXP/ PHILIPS

74LS Series

★Web Code: NBS

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
46252	✦	74LS00N**	DIP-14	Quad 2-input pos. NAND gate	$.39	$.29	$.25
46253	✦	74LS00Nℛ	DIP-14	Quad 2-input pos. NAND gate	.45	.35	.29
283725	TI	SN74LS00N	DIP-14	Quad 2-input pos. NAND gate	.45	.35	.29
46287	✦	74LS02N**	DIP-14	Quad 2-input pos. NOR gate	.39	.29	.25
283741	TI	SN74LS02N	DIP-14	Quad 2-input pos. NOR gate	.45	.35	.29
283784	TI	SN74LS03N	DIP-14	Quad 2-input pos. NAND gate (O.C.)	.69	.49	.45
46316	✦	74LS04N**	DIP-14	Hex inverter	.39	.29	.25
283792	TI	SN74LS04N	DIP-14	Hex inverter	.45	.35	.29
46318	✦	74LS04Nℛ	DIP-14	Hex inverter	.45	.35	.29
916941	✦	SN74LS05DRℛ	SOIC-14	Hex inverter (O.C.)	.29	.25	.19
46341	✦	74LS05N*	DIP-14	Hex inverter (O.C.)	.45	.35	.29
46359	✦	74LS06N	DIP-14	Hex inverter buffer/driver	.75	.65	.55
46367	✦	74LS07N	DIP-14	Hex buffer/driver	.75	.65	.55
46375	✦	74LS08N**	DIP-14	Quad 2-input pos. AND gate	.39	.29	.25
295401	TI	SN74LS08N	DIP-14	Quad 2-input pos. AND gate	.45	.35	.29
46391	✦	74LS09N	DIP-14	Quad 2-input pos. AND gate (O.C.)	.45	.35	.29
46404	✦	74LS10N*	DIP-14	Triple 3-input pos. NAND gate	.55	.39	.35
46439	✦	74LS11N*	DIP-14	Triple 3-input pos. AND gate	.55	.39	.35
46640	✦	74LS14N*	DIP-14	Hex schmitt-trigger inverter	.39	.29	.25
295460	TI	SN74LS14N	DIP-14	Hex schmitt-trigger inverter	.45	.35	.29
47095	✦	74LS20N*	DIP-14	Dual 4-input NAND gate	.59	.49	.39
295478	TI	SN74LS20N	DIP-14	Dual 4-input NAND gate	.65	.55	.45
47108	✦	74LS21N	DIP-14	Dual 4-input AND gate	.49	.39	.29
47378	✦	74LS27N	DIP-14	Triple 3-input NOR gate	.59	.49	.39
47458	✦	74LS30N*	DIP-14	8-input NAND gate	.29	.25	.22
47466	✦	74LS32N**	DIP-14	Quad 2-input pos. OR gate	.35	.25	.22
295515	TI	SN74LS32N	DIP-14	Quad 2-input pos. OR gate	.39	.29	.25
47467	✦	74LS32Nℛ	DIP-14	Quad 2-input pos. OR gate	.39	.29	.25
295558	TI	SN74LS37N	DIP-14	Quad 2-input pos. NAND buffer	.65	.55	.45
47773	✦	74LS42N	DIP-14	4 line BCD to 10 line decimal decoder	.85	.75	.65
47790	✦	74LS47N*	DIP-16	BCD-to-7 seg. decoder/driver	1.09	.89	.79
295582	TI	SN74LS47N	DIP-16	BCD-to-7 seg. decoder/driver	1.19	.99	.89
47811	✦	74LS48N	DIP-16	BCD-to-7 seg. decoder/driver	3.95	3.49	2.95
47992	✦	74LS73N*	DIP-14	Dual J-K neg-edge-triggered flip-flop	1.09	.95	.75
48004	✦	74LS74N**	DIP-14	Dual D-type flip-flop	.35	.25	.22
295726	TI	SN74LS74AN	DIP-14	Dual D-type flip-flop	.39	.29	.25
48021	✦	74LS75N*	DIP-16	4-bit bi-stable latch	1.15	.95	.79
295734	TI	SN74LS75N	DIP-16	4-bit bi-stable latch	1.25	1.05	.85
48039	✦	74LS76N	DIP-16	Dual J-K pos-edge-triggered flip-flop	1.29	1.19	1.09
48063	✦	74LS83N	DIP-16	4-bit binary full adder	2.19	1.99	1.79
48071	✦	74LS85N*	DIP-16	4-bit magnitude comparator	.79	.69	.59
295742	TI	SN74LS85N	DIP-16	4-bit magnitude comparator	.89	.79	.65
48098	✦	74LS86N*	DIP-14	Quad 2-input exclusive OR gate	.35	.25	.22
295751	TI	SN74LS86N	DIP-14	Quad 2-input exclusive OR gate	.39	.35	.25
48119	✦	74LS90N*	DIP-14	Asynchronous decade counter	1.25	1.15	.85
295769	TI	SN74LS90N	DIP-14	Asynchronous decade counter	1.35	1.25	.95
48143	✦	74LS92N	DIP-14	Divide-by-12 decade counter	1.49	1.29	1.09
48151	✦	74LS93N*	DIP-14	4-bit binary counter	1.25	1.05	.79
295822	TI	SN74LS93N	DIP-14	4-bit binary counter	1.35	1.15	.89
46412	✦	74LS107N	DIP-14	Dual J-K flip-flop with clear	1.05	.89	.69
46421	✦	74LS109N	DIP-16	Dual J-K bar flip-flop	.85	.75	.65
46447	✦	74LS112N	DIP-16	Dual J-K neg-edge-triggered flip-flop	.55	.45	.35
46471	✦	74LS122N	DIP-14	Retriggerable monostable multivibrator	.69	.59	.49
46480	✦	74LS123N*	DIP-16	Dual monostable multivibrator	.55	.45	.35
300880	TI	SN74LS123N	DIP-16	Dual monostable multivibrator	.59	.49	.39
46501	✦	74LS125N*	DIP-14	Tri-state quad bus buffer	.55	.45	.35
46527	✦	74LS126N	DIP-14	Tri-state quad bus buffer	.55	.45	.35
46551	✦	74LS132N	DIP-14	Quad 2-input NAND schmitt trigger	.59	.49	.39

*10 pcs./ **20 pcs. in 74LS series IC cabinet kit, right

74LS Series (Continued)

★Web Code: NBS

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
46586	✦	74LS136N	DIP-14	Quad 2-input exclusive OR gate	$.69	$.59	$.49
46607	✦	74LS138N**	DIP-16	3-to-8 decoder/demultiplexer	.49	.39	.29
301233	TI	SN74LS138N	DIP-16	3-to-8 decoder/demultiplexer	.55	.45	.35
46608	✦	74LS138Nℛ	DIP-16	3-to-8 decoder/demultiplexer	.55	.45	.35
46623	✦	74LS139N*	DIP-16	Dual 2-to-4 decoder/demultiplexer	.49	.39	.29
301268	TI	SN74LS139AN	DIP-16	Dual 2-to-4 decoder/demultiplexer	.55	.45	.35
46666	✦	74LS145N	DIP-16	BCD-to-decimal decoder/driver	.59	.49	.39
301276	TI	SN74LS145N	DIP-16	BCD-to-decimal decoder/driver	.65	.55	.45
46682	✦	74LS148N	DIP-16	8-to-3 line priority encoder	.95	.85	.75
46703	✦	74LS151N*	DIP-16	1-to-8 data selector/multiplexer	.65	.55	.45
46720	✦	74LS153N	DIP-16	Dual 4-to-1 data selector/multiplexer	.65	.55	.45
46738	✦	74LS154N	DIP-24	4-to-16 line decoder/demultiplexer	4.95	4.75	4.25
46754	✦	74LS155N*	DIP-16	Dual 2-to-4 line decoder/demultiplexer	.85	.75	.65
815816	TI	SN74LS156Nℛ	DIP-16	Dual 2-to-4 line decoder/demux. (O.C.)	.75	.65	.45
46771	✦	74LS157N*	DIP-16	Quad 2-to-1 line data selector	.49	.39	.29
46800	✦	74LS160N	DIP-16	Synchronous decade counter	2.49	2.25	2.05
46818	✦	74LS161N	DIP-16	4-bit synchronous binary counter	.55	.45	.35
301647	TI	SN74LS161AN	DIP-16	4-bit synchronous binary counter	.59	.49	.39
46842	✦	74LS163N	DIP-16	Synchronous 4-bit binary counter	.59	.49	.39
46851	✦	74LS164N	DIP-14	8-bit serial shift register	.55	.45	.35
46877	✦	74LS165N	DIP-16	8-bit parallel load shift register	.55	.45	.35
46885	✦	74LS166N	DIP-16	Serial-out shift register	.65	.55	.45
46906	✦	74LS169N	DIP-16	Synch. 4-bit binary up/down counter	.99	.89	.79
46922	✦	74LS173N	DIP-16	4-bit D-type register w/ 3-state output	.89	.79	.69
46931	✦	74LS174N*	DIP-16	Hex D-type flip-flop with clear	.69	.59	.49
46957	✦	74LS175N*	DIP-16	Quad D-type flip-flop with clear	.59	.49	.39
46973	✦	74LS181N	DIP-24	Arithmetic logic unit/function generator	2.95	2.75	2.49
46990	✦	74LS190N	DIP-16	Synchronous up/down decade counter	2.95	2.75	2.49
47001	✦	74LS191N	DIP-16	Synch. 4-bit up/down binary counter	.65	.55	.45
47010	✦	74LS192N	DIP-16	Synch. 4-bit up/down decade counter	3.49	3.25	2.95
47036	✦	74LS193N*	DIP-16	Synch. 4-bit up/down binary counter	.45	.39	.35
301831	TI	SN74LS193N	DIP-16	Synch. 4-bit up/down binary counter	.49	.45	.39
47052	✦	74LS194N	DIP-16	4-bit bi-directional shift register	.89	.79	.69
301858	TI	SN74LS194N	DIP-16	4-bit bi-directional shift register	.99	.89	.75
47061	✦	74LS195N	DIP-16	4-bit parallel-access shift register	2.05	1.95	1.75
47124	✦	74LS221N	DIP-16	Dual monostable multivibrator	.75	.65	.55
47141	✦	74LS240N*	DIP-20	Octal buffer/line driver	.59	.49	.39
308291	TI	SN74LS240N	DIP-20	Octal buffer/line driver	.65	.55	.45
47167	✦	74LS241N	DIP-20	Tri-state octal buffer/line driver	.65	.55	.45
47183	✦	74LS244N*	DIP-20	Tri-state octal buffer/line driver	.55	.45	.35
308312	TI	SN74LS244Nℛ	DIP-20	Tri-state octal buffer/line driver	.59	.49	.39
47212	✦	74LS245N*	DIP-20	Tri-state octal bus transceiver	.65	.55	.39
308321	TI	SN74LS245N	DIP-20	Tri-state octal bus transceiver	.69	.59	.45
47247	✦	74LS247N	DIP-16	BCD to 7-seg. decoder/driver	1.09	.99	.89
47327	✦	74LS259N	DIP-16	8-bit addressable latch	.65	.55	.45
47360	✦	74LS266N	DIP-14	Quad 2-input exclusive NOR gate (O.C.)	.65	.55	.45
47386	✦	74LS273N*	DIP-20	Octal D-type flip-flop	.59	.49	.39
308398	TI	SN74LS273N	DIP-20	Octal D-type flip-flop	.65	.55	.45
47407	✦	74LS279N	DIP-16	Quad S-R latch	.75	.65	.55
47423	✦	74LS283N	DIP-16	4-bit binary full add w/ fast carry	.95	.85	.65

*10 pcs./ **20 pcs. in 74LS series IC cabinet kit, below

Continued on next page

74LS Series IC Kit

SAVE $72

Includes: 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 169 and 30 adhesive labels for drawers to identify parts in kit

10 each: 74LS05, 74LS10, 74LS11, 74LS14, 74LS20, 74LS30, 74LS47, 74LS73, 74LS75, 74LS85, 74LS86, 74LS90, 74LS93, 74LS123, 74LS125, 74LS139, 74LS151, 74LS155, 74LS157, 74LS174, 74LS175, 74LS193, 74LS240, 74LS244, 74LS245, 74LS273, 74LS373, 74LS374

20 each: 74LS00, 74LS02, 74LS04, 74LS08, 74LS32, 74LS74, 74LS138

Part No.	Description	Wt. (lbs.)	1	5
84961	420 pcs. 74LS IC kit	6.7	$149.95	$129.95
130391	Refill for 84961 (420 pcs.)	2.0	134.95	119.95

* TI = Texas Instruments | ✦ Manufacturer Varies

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

74LS Series (Continued)

★Web Code: NBS

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
47562	✦	74LS367N	DIP-16	Tri-state hex buffer	$.69	$.59	$.49
309278	TI	SN74LS368AN	DIP-16	6-bit buffer/line driver	.79	.69	.59
308460	TI	SN74LS373N	DIP-20	Octal D-type transparent latch	.59	.49	.39
47600	✦	74LS373N*	DIP-20	Octal D-type transparent latch	.55	.45	.35
308478	TI	SN74LS374N	DIP-20	Octal D-type flip-flop	.59	.49	.39
47634	✦	74LS374N*	DIP-20	Octal D-type flip-flop	.55	.45	.35
1944311	✦	74LS375N	DIP-16	4-bit bistable latch	.75	.65	.45
47669	✦	74LS377N	DIP-20	Octal D-type flip-flop	.85	.75	.65
47722	✦	74LS390N	DIP-16	Dual 4-bit decade counter	.95	.85	.75
47731	✦	74LS393N	DIP-14	Dual 4-bit binary counter	.75	.65	.55
47861	✦	74LS540N	DIP-20	Tri-state octal buffer/line driver	.89	.79	.69
47870	✦	74LS541N	DIP-20	Tri-state octal buffer/line driver	.75	.65	.55
103974	✦	74LS595N	DIP-16	8-bit shift register with output latch	4.95	4.49	3.95
47950	✦	74LS645N	DIP-20	Tri-state octal bus transceiver	1.09	.89	.79
47984	✦	74LS688N	DIP-20	8-bit identity comparator	1.25	1.05	.85

*10 pcs. in 74LS series IC cabinet kit, pg 5

See page 189 for TTL Book

74S Series

Please Note: Manufacturer may vary

★Web Code: NCK

Part No.	Product No.	Pkg.	Description	1	10	100
48573	74S20N	DIP-14	Dual 4-input NAND gate	$.65	$.55	$.45
48750	74S32N	DIP-14	Quad 2-input pos. OR gate	.55	.45	.35
48531	74S188N	DIP-16	(32 x 8) 256-bit TTL PROM (27S18)	5.95	5.49	4.95
48557	74S189N	DIP-16	(16 x 4) 64-bit RAM (27S03)	3.95	3.75	3.49
677020	74S244N	DIP-20	Tri-state octal buffer/line driver	.69	.55	.45
48696	74S287N	DIP-16	(256 x 4) 1024-bit TTL PROM (TBP24S10)	10.95	9.95	7.95
48717	74S288N	DIP-16	(32 x 8) 256-bit TTL PROM (TBP18S030N)	9.95	8.95	7.95
48805	74S387N	DIP-16	(256 x 4) 1024-bit TTL PROM (TBP24SA10N)	3.95	3.75	3.49
52513	74S428N★	DIP-28	System controller/bus driver (8228)	3.95	3.75	3.49
48864	74S472N	DIP-20	(512 x 8) 4096-bit TTL PROM (TBP28S42N)	12.95	11.95	10.95
48910	74S571N	DIP-16	(512 x 4) 2048-bit TTL PROM (AM27S13)	7.95	6.95	5.95

★ Pull = Extra Savings

4000 Series

★Web Code: WAA

✳ Order in multiples of 10

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
12562	✦	CD4001**	DIP-14	Quad 2-input NOR gate	$.25	$.22	$.19
675964	✦	CD4002	DIP-14	Dual 4-input NOR gate	.29	.25	.22
12597	✦	CD4007	DIP-14	Dual complimentary pair plus inverter	.29	.25	.22
197270	✦	CD4011M	SOIC-14	Quad 2-input NAND gate	✳	.12	.09
12634	✦	CD4011**	DIP-14	Quad 2-input NAND gate	.25	.22	.19
893283	TI	CD4011BE℞	DIP-14	Quad 2-input NAND gate	.35	.25	.22
12677	✦	CD4013**	DIP-14	Dual D-type flip-flop	.29	.25	.22
893443	TI	CD4013BE℞	DIP-14	Dual D-type flip-flop	.35	.25	.22
12706	✦	CD4015*	DIP-16	Dual 4-stage static shift register	.29	.25	.22
12722	✦	CD4016*	DIP-14	Quad bilateral switch	.29	.25	.22
197296	✦	CD4017M	SOIC-16	Decade counter/divider	✳	.12	.09
12749	✦	CD4017*	DIP-16	Decade counter/divider	.35	.29	.25
893611	TI	CD4017BE℞	DIP-16	Decade counter/divider	.39	.35	.25
12773	✦	CD4018	DIP-16	Presettable divide-by-N counter	.39	.35	.29
12802	✦	CD4020*	DIP-16	14-stage ripple carry binary counter	.39	.35	.29
12829	✦	CD4021	DIP-16	8-stage static shift register	.29	.25	.22
12845	✦	CD4023*	DIP-14	Triple 3-input NAND gates	.29	.25	.22
12853	✦	CD4024*	DIP-14	7-stage ripple carry binary counter	.29	.25	.22
353560	✦	CD4026	DIP-16	Decade counter/divider	.55	.45	.39
12888	✦	CD4027*	DIP-16	Dual J-K master/slave flip-flop	.35	.29	.25
12909	✦	CD4028	DIP-16	BCD-to-decimal decoder	.29	.25	.22
12925	✦	CD4029	DIP-16	Preset up/down binary counter	.35	.29	.25
12950	✦	CD4040*	DIP-16	12-stage binary/ripple counter	.35	.29	.25
12992	✦	CD4043	DIP-16	Tri-state quad NOR R/S latch	.39	.35	.29
13004	✦	CD4044	DIP-16	Quad NAND R/S latch	.39	.35	.29
13012	✦	CD4046*	DIP-16	Micropower phase lock loop	.39	.35	.29
13039	✦	CD4047	DIP-14	Monostable/astable multivibrator	.35	.29	.25

*10 pcs./**20 pcs. in 4000 series IC cabinet kit, right

4000 Series (Continued)

★Web Code: WAA

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
894331	TI	CD4047BE℞	DIP-14	Monostable/astable multivibrator	$.39	$.35	$.29
13055	✦	CD4049**	DIP-16	Hex inverting buffer/converter	.29	.25	.22
13071	✦	CD4050*	DIP-16	Hex non-inverting buffer/converter	.29	.25	.22
13098	✦	CD4051*	DIP-16	Single 8-channel analog multiplexer	.35	.29	.25
894391	TI	CD4051BE℞	DIP-16	Single 8-channel analog multiplexer	.39	.35	.29
13119	✦	CD4052	DIP-16	Dual 4-channel analog multiplexer	.35	.29	.25
13127	✦	CD4053	DIP-16	Triple 2-channel analog multiplexer	.35	.29	.25
818259	TI	CD4059AE℞	DIP-24	Programmable divide-by-N counter	1.95	1.75	1.49
13151	✦	CD4060	DIP-16	14-stage ripple carry binary counter	.29	.25	.22
13186	✦	CD4066**	DIP-14	Quad bilateral switch	.35	.29	.25
13215	✦	CD4067	DIP-24	Single 16-channel analog multiplexer	1.09	.99	.89
13231	✦	CD4069+*	DIP-14	Hex inverters (74C04)	.29	.25	.22
13258	✦	CD4070*	DIP-14	Quad 2-input exclusive OR gate	.35	.29	.25
13274	✦	CD4071*	DIP-14	Quad 2-input OR gate	.29	.25	.22
676086	✦	CD4073	DIP-14	Triple 3-input AND gate	.29	.25	.22
676094	✦	CD4075	DIP-14	Triple 3-input OR gate	.35	.29	.25
676107	✦	CD4077	DIP-14	Quad exclusive NOR gate	.35	.29	.25
676115	✦	CD4078	DIP-14	8-input NOR/OR gate	.35	.29	.25
13354	✦	CD4081*	DIP-14	Quad 2-input AND gate	.29	.25	.22
676123	✦	CD4082	DIP-14	Dual 4-input AND gate	.29	.25	.22
13400	✦	CD4093*	DIP-14	Quad 2-input NAND schmitt trigger	.29	.25	.22
818902	TI	CD4093BQM96Q1	SOIC-14	Quad 2-input NAND schmitt trigger	.35	.25	.19
818873	TI	CD4093BE℞	DIP-14	Quad 2-input NAND schmitt trigger	.35	.29	.25
870807	FSC	CD4093BCN℞	DIP-14	Quad 2-input NAND schmitt trigger	.35	.29	.25
13426	✦	CD4094	DIP-16	8-bit shift register with latch	.35	.29	.25
895254	TI	CD4503BE℞	DIP-16	Tri-state hex buffer	.39	.35	.29
13485	✦	CD4510	DIP-16	BCD presettable up/down counter	.39	.35	.29
13493	✦	CD4511*	DIP-16	BCD-to-7 segment latch/decoder/driver	.35	.29	.25
895377	TI	CD4511BE℞	DIP-16	BCD-to-7 segment latch/decoder/driver	.39	.35	.29
13522	✦	CD4514	DIP-24	4-bit latch/line decoder	.99	.89	.69
13549	✦	CD4516	DIP-16	Binary up/down counter	.45	.35	.29
13565	✦	CD4518	DIP-16	Dual BCD up counter	.39	.29	.25
895481	TI	CD4518BE℞	DIP-16	Dual BCD up counter	.45	.35	.29
13581	✦	CD4520	DIP-16	Dual binary up counter	.35	.29	.25
13602	✦	CD4526	DIP-16	Binary divide-by-N counter	.55	.45	.39
13611	✦	CD4528	DIP-16	Dual monostable multivibrator	.45	.39	.35
13653	✦	CD4538*	DIP-16	Dual monostable multivibrator	.45	.35	.29
13688	✦	CD4541	DIP-14	Programmable timer	.35	.29	.25
13696	✦	CD4543*	DIP-16	BCD to 7-segment decoder driver	.35	.29	.25
13709	✦	CD4553	DIP-16	3-digit BCD counter	1.75	1.59	1.45
13768	✦	CD4584*	DIP-14	Hex schmitt trigger	.35	.29	.25
676473	✦	CD40102	DIP-16	2-decade BCD 8-stage sync down counter	.29	.25	.22
44257	✦	CD40106	DIP-14	Hex schmitt trigger	.59	.49	.39
785071	FSC	CD40106BCN℞	DIP-14	Hex schmitt trigger	.35	.29	.25
676502	✦	CD40110	DIP-16	Decade up/down counter	1.25	1.05	.85

*10 pcs./**20 pcs. in 4000 series IC cabinet kit, below

ON Semiconductor MC14000 Series

★Web Code: XDH

Part No.	Mfr. Part No.	Pkg.	Description	1	10	100
2024541	MC14013BCPG℞	DIP-16	Dual D-type flip-flop	$.45	$.39	$.35
792474	MC14511BCPG℞	DIP-16	BCD-to-7 seg latch/decoder/driver	.45	.39	.35
947982	MC14553BCPG℞	DIP-16	3-digit BCD decoder	1.75	1.59	1.45

4000 Series CMOS IC Kit

SAVE $24

Includes: 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 169 and 30 adhesive labels for drawers to identify parts in kit

10 each: CD4015, CD4016, CD4017, CD4020, CD4023, CD4024, CD4027, CD4040, CD4046, CD4050, CD4051, CD4069, CD4070, CD4071, CD4081, CD4093, CD4511, CD4538, CD4543, CD4584

20 each: CD4001, CD4011, CD4013, CD4049, CD4066

Part No.	Description	Wt. (lbs.)	1	5
84970	300 pcs. 4000 series CMOS IC kit	6.1	$79.95	$69.95
130403	Refill for 84970 (300 pcs.)	1.4	64.95	59.95

* FSC = Fairchild Semiconductor | TI = Texas Instruments | ✦ Manufacturer Varies

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

TEXAS INSTRUMENTS | FAIRCHILD | AMD | MOTOROLA

5000 Series & Clock Chips

★Web Code: RAE

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10
32803	✦	TCM5089N	DIP-16	Touch tone generator	$4.95	$4.49
26091	✦	MM5321N	DIP-16	TV camera synchronous generator	4.95	3.95
26171	✦	MM5450N	DIP-40	LED display driver	3.95	3.75
27422	✦	LM555CN**	DIP-8	Timer	.25	.19
126797	✦	LMC555CN*	DIP-8	CMOS timer	.79	.69
24328	✦	LM556N*	DIP-14	Dual timer	.29	.25
95531	✦	RTC72421B ℛ	DIP-18	Real time clock	8.95	7.95
25101	✦	MC146818★	DIP-24	Real time clock with RAM	8.95	7.95
10567	AMD	AM9513APC★	DIP-40	Real time clock	34.95	31.95

*10 pcs./**20 pcs. in Linear series IC cabinet kit, pg 16 ★ Pull = Extra Savings

★Delay Lines Available Online — Enter Web Code EEU

★Quick Switches Available Online — Enter Web Code FAH

★EconoResets Available Online — Enter Web Code YFE

6500 Series

Please Note: Manufacturer may vary

★Web Code: NAG

Part No.	Product No.	Pkg.	Description	1	10
43191	6502★	DIP-40	CPU, 8-bit, 1MHz	$5.95	$5.49
43166	65C02★	DIP-40	CPU, 8-bit, 1MHz	5.95	5.49
43254	6522★	DIP-40	Versatile interface adapter, 1MHz	5.95	5.49
43297	6532★	DIP-40	RAM I/O timer, 1MHz	7.95	7.25
43318	6551★	DIP-28	Asynch. comm. interface adapter, 1MHz	3.95	3.75

★ Pull = Extra Savings

freescale 6800/68000 CMOS

★Web Code: SBP

Part No.	Mfr. Part No.	Pkg.	Description	1	10
248604	MC68HC11E1CFN3	PLCC-52	MCU, 8-bit, 38 I/O, 3MHz	$9.95	$8.95
248583	MC68HC11F1CFN3	PLCC-68	MCU, 8-bit, 30 I/O, 3MHz	10.95	9.95
108919	MC68HC705C8P	DIP-40	MCU, 8-bit, 24 I/O, 4MHz	8.95	7.95
132484	MC68HC705C8S	DIP-40	MCU, 8-bit, 24 I/O, 4MHz	15.95	11.95
132530	MC68HC705J1ACP	DIP-20	MCU, 8-bit, 14 I/O, 4MHz	3.49	2.35
248575	MC68HC711E9CFN2	PLCC-52	MCU, 8-bit, 38 I/O, 2MHz	16.95	15.95
323213	MC68HC908GR8CP	DIP-28	MCU, 8-bit, 21 I/O, 8MHz	5.95	4.49

6800/68000 N-MOS

★Web Code: PAG

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10
43481	✦	6800★	DIP-40	CPU, 8-bit, 5V, 2MHz	$5.95	$4.95
43502	✦	6802★	DIP-40	CPU, 8-bit, 5V, 1MHz	9.95	8.95
43529	✦	6803★	DIP-40	CPU, 8-bit, 5V, 1MHz	6.95	5.95
43537	✦	6808★	DIP-40	CPU, 8-bit, 7V, 1MHz	7.95	7.25
43545	✦	6809E★	DIP-40	CPU, 8-bit, 7V, 1MHz	3.95	3.49
320590	✦	68B09E★	DIP-40	CPU, 8-bit, 7V, 2MHz	4.95	4.49
43561	✦	6810★	DIP-24	SRAM, 1K-bit, 5V, 1MHz	2.95	2.75
43596	✦	6821★	DIP-40	Peripheral inter. adptr, 8-bit, 7V, 1MHz	3.95	3.49
43414	✦	68B21★	DIP-40	Peripheral inter. adptr, 8-bit, 7V, 1MHz	4.95	4.49
43617	✦	6840★	DIP-28	Programmable timer, 16-bit, 5V, 6MHz	2.95	2.75
43633	✦	6850★	DIP-24	Asynch. comm. int. adptr, 8-bit, 7V, 1MHz	4.49	3.95
25304	✦	MC68000L8★	DIP-64	CPU, 16-bit, 7V, 8MHz	8.95	7.95
25291	✦	MC68000L10★	DIP-64	CPU, 16-bit, 7V, 10MHz	9.95	8.95
25355	✦	MC68701★	DIP-40	MCU, 8-bit, 29 I/O, 2MHz	14.95	12.95
25363	MOT	MC68705P3S★	DIP-28	MCU, 8-bit, 20 I/O, 4MHz	24.95	22.95
25371	MOT	MC68705U3S★	DIP-40	MCU, 8-bit, 20 I/O, 4MHz	24.95	22.95

★ Pull = Extra Savings

8000 Series

Please Note: Manufacturer may vary

Part No.	Product No.	Pkg.	Description	1	10	100
51844	8031★	DIP-40	MCU, 8-bit, 32 I/O, 8MHz	$3.49	$3.25	$2.95
51676	80C31★	DIP-40	MCU, 8-bit, 32 I/O, 24MHz, CMOS	3.75	3.45	2.95

★ Pull = Extra Savings

8000 Series (Continued)

Please Note: Manufacturer may vary

Part No.	Product No.	Pkg.	Description	1	10	100
876096	P80C31BH-1	DIP-40	MCU, 8-bit, 32 I/O, 16MHz, CMOS	$3.75	$3.45	$2.95
102197	8032★	DIP-40	CPU, 8-bit, 32 I/O, 12MHz	3.95	3.49	2.95
108804	80C32-1★	DIP-40	MCU, 8-bit, 32 I/O, 12MHz, CMOS	4.25	3.75	3.49
51861	8035★	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	3.95	3.49	2.95
51959	8039★	DIP-40	CPU, 8-bit, 27 I/O, 6MHz	3.95	3.49	2.95
51692	80C39★	DIP-40	MCU, 8-bit, 27 I/O, 11MHz, CMOS	4.25	3.75	3.25
51983	8049★*	DIP-40	CPU, 8-bit, 27 I/O, 6MHz	2.95	2.75	2.49
51991	8051AP★**	DIP-40	MCU, 8-bit, 27 I/O, 11MHz	4.95	4.49	3.95
125647	80C52BASIC	DIP-40	MCU, 8-bit, 32 I/O, 12MHz, CMOS	33.95	31.95	29.95
52046	8080A★	DIP-40	CPU, 8-bit, 32 I/O, 1MHz	5.49	4.95	4.25
52062	8085AH★	DIP-40	CPU, 8-bit, 16 I/O, 3MHz	4.95	4.49	3.25
52071	8085AH-2★	DIP-40	CPU, 8-bit, 16 I/O, 5MHz	5.49	4.95	3.95
51705	80C85A-2★	DIP-40	CPU, 8-bit, 16 I/O, 5MHz, CMOS	5.95	5.49	4.95
52100	8086-2★	DIP-40	CPU, 8-bit, 32 I/O, 8MHz	1.95	1.75	1.49
52142	8088★	DIP-40	CPU, 8-bit, 16 I/O, 5MHz	2.95	2.75	2.49
52169	8088-2★	DIP-40	CPU, 8-bit, 16 I/O, 8MHz	3.95	3.49	2.95
34358	UPD70108-8★	DIP-40	CPU, 8-bit, 16 I/O, 8MHz	9.98	8.95	6.95
52290	8155★	DIP-40	I/O port timer, 2K-bit, 3MHz	3.95	3.49	2.95
52302	8155-2★	DIP-40	Static MOS RAM, 2K-bit, 3 I/O, 5MHz	4.95	4.49	3.25
52193	81C55★	DIP-40	I/O port timer, 2K-bit, 3MHz, CMOS	4.95	4.49	3.95
52468	8212★	DIP-24	I/O port timer, 8-bit, 3MHz	5.95	5.49	4.95
52484	8216	DIP-16	Bi-directional bus driver (non-invert.)	3.95	3.49	2.95
52492	8224★	DIP-16	Clock generator/driver	3.95	3.49	2.95
52513	8228★	DIP-28	System controller/bus driver	3.95	3.75	3.49
52581	8243★	DIP-24	I/O expander, 5V, MIL. temp	5.49	4.95	3.25
52644	8251✣	DIP-28	USART	2.75	2.49	2.25
52652	8251A★	DIP-28	Prog. communications interface	3.95	3.49	2.95
52370	82C51A★	DIP-28	USART, 3V to 6V, CMOS	3.95	3.49	2.95
52679	8253★	DIP-24	Prog. interval timer, 2MHz	2.95	2.75	2.49
52687	8253-5★	DIP-24	Prog. interval timer, 2MHz	3.49	3.25	2.75
52388	82C53-5★	DIP-24	Prog. interval timer, 8MHz, CMOS	3.75	3.49	2.95
52708	8254★	DIP-24	Prog. interval timer, 8MHz	4.49	3.95	3.49
52716	8254-2★	DIP-24	Prog. interval timer, 10MHz	4.95	4.49	3.95
52396	82C54★	DIP-24	Prog. interval timer, 8MHz, CMOS	4.95	4.49	3.95
52409	82C54-2★	DIP-24	Prog. interval timer, 10MHz, CMOS	4.95	4.49	3.95
52724	8255★	DIP-40	CPU peripheral, 2MHz	4.49	3.95	3.49
52732	8255A-5★	DIP-40	CPU peripheral, 5MHz	4.75	4.25	3.75
291805	8255AC-5✣	DIP-40	CPU peripheral, 4MHz	4.75	4.25	3.75
52417	82C55A★	DIP-40	CPU peripheral, 8MHz, CMOS	4.95	4.49	3.95
52425	82C55A-5★	DIP-40	CPU peripheral, 5MHz, CMOS	4.95	4.49	3.95
52759	8256★	DIP-40	Multi func. µproc. support controller	17.95	15.95	13.95
52775	8259★	DIP-28	Prog. interrupt controller	1.95	1.75	1.49
52839	8279★	DIP-40	CPU peripheral, 5MHz	10.95	9.95	7.95
52847	8279-5★	DIP-40	CPU peripheral, 5MHz	12.95	11.95	10.95
52855	8282★	DIP-20	Octal latch bus driver	4.95	4.49	3.95
52871	8284A★	DIP-18	Clock generator/driver, 8MHz	4.95	4.49	3.95
2082020	N8284A	DIP-18	Up/down counter	2.95	1.95	1.49
52898	8286★	DIP-20	Octal bus transceiver	4.95	4.49	3.95
52901	8287★	DIP-20	Octal bus transceiver	9.95	8.95	7.95
52919	8288	DIP-20	Bus controller (UPD71088)	1.95	1.75	1.49
53014	8742 ★	DIP-40	MCU, 8-bit, 18 I/O, 12MHz	8.95	7.95	6.95
53022	8748✣	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	10.95	9.95	8.95
53031	8748H✣	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	12.95	11.95	8.95
53057	8749H✣	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	15.95	14.95	12.95
53073	8751	DIP-40	MCU, 8-bit, 32 I/O, 8MHz	12.95	10.95	9.95
53081	8751H✣	DIP-40	MCU, 8-bit, 32 I/O, 12MHz	15.95	14.95	12.95
52978	87C51★	DIP-40	MCU, 8-bit, 32 I/O, 33MHz, CMOS	15.95	14.95	12.95
196120	P87C51	DIP-40	MCU, 8-bit, 32 I/O, 24MHz, CMOS	4.95	4.49	3.95
53090	8755	DIP-40	EPROM with I/O	6.95	4.95	3.95

*8049 (ROM not available for use) Tie pin 7 high to bypass the internal ROM to convert 8049 to 8039

**Tie pin 31 low to bypass the internal ROM ★ Pull = Extra Savings ✣ Refurbished = Backed by Jameco

* AMD = Advanced Micro | MOT = Motorola | ✦ Manufacturer Varies

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Z80 MPUs

Please Note: Manufacturer may vary — ★Web Code: JAF

Part No.	Product No.	Pkg.	Description	1	10
35561	Z80★	DIP-40	2.5MHz CPU (MK3880N/780C)	$1.95	$1.75
35596	Z80A★	DIP-40	4MHz CPU (MK3880N-4/780C-1)	2.05	1.85
35609	Z80A-CTC★	DIP-28	4MHz counter timer circuit (MK3882-4)	2.49	2.25
35625	Z80A-DART★	DIP-40	4MHz dual asynchronous receiver/trans	2.49	2.25
35641	Z80A-PIO★	DIP-40	4MHz parallel I/O interf. contr. (MK3881-4)	2.05	1.85
35668	Z80A-SIO/0★	DIP-40	4MHz serial I/O, TxCB & RxCB bond. (MK3884-4)	2.49	2.25
35705	Z80B★	DIP-40	6MHz CPU (MK3880N-6)	2.49	2.25
35781	Z84C00-4★	DIP-40	4MHz CPU (Z84C0004PEC) CMOS	4.49	3.95
35799	Z8530★	DIP-40	2MHz serial communications controller	.75	.49
280479	Z8S18020PSC	DIP-64	Z180 MPU, MMU, DMA, UART, INTC	9.95	8.95
280516	Z84C0008PEC★	DIP-40	Z80 CPU with 3 mode int., 16 regs.	4.49	3.95
61786	Z85C3008PS★	DIP-40	Serial communications controller	4.95	4.49
281308	Z85C3016PSC	DIP-40	Serial communications controller	7.95	6.95
280436	Z8018008PSC	DIP-64	Z180 MPU, MMU, DMA, UART, INTC	4.95	4.49
280452	Z8018010PSC	DIP-64	Z180 MPU, MMU, DMA, UART, INTC	6.95	5.75
281324	Z8523016VSC	PLCC-44	Enhanced serial communications controller	11.95	10.95

★ Pull = Extra Savings

UARTs

Please Note: Manufacturer may vary — ★Web Code: MAG

Part No.	Product No.	Pkg.	Description	1	10
43158	6402★	DIP-40	5V CMOS	$6.95	$5.95
27570	NS16C450N★	DIP-40	Asynch. comm. element, 5V	2.95	2.75
27596	NS16550AN★	DIP-40	Asynch. comm. element, 5V	4.95	4.49
288809	TL16C550CN	DIP-40	1-channel w/ 16-byte FIFO, 5V	3.95	3.49
288841	TL16C554FN	PLCC-68	4-channel w/ 16-byte FIFO, 5V	8.95	6.95
288876	TL16C750FN℞	PLCC-44	1-channel w/ 64-byte FIFO, 5V	4.95	4.49
288905	TL16C754BFN℞	PLCC-68	4-channel w/ 64-byte FIFO, 5V	11.95	9.95

★ Pull = Extra Savings

EPROMs

★Web Code: XAF

Part No.	*Mfr.	Product No.	Pkg.†	Config.	Description	1	10	100
39909	✦	2708✣	DIP-24	1k x 8	450ns, 5V	$3.95	$3.75	$3.49
39706	✦	27C16✣✪	DIP-24	2k x 8	450ns, 5V	4.95	3.95	3.49
33611	✦	TMS2716✣	DIP-24	2k x 8	450ns, 5V	2.95	2.75	2.49
40002	✦	2716✣	DIP-24	2k x 8	450ns, 5V	3.95	3.75	3.49
308662	✦	2716A-2	DIP-24	2k x 8	200ns, 5V	3.95	3.75	3.49
40011	✦	2716-1✣	DIP-24	2k x 8	350ns, 5V	4.49	3.95	3.75
33591	✦	TMS2532✣	DIP-24	4k x 8	450ns, 5V	3.95	3.75	3.49
40096	✦	2732✣	DIP-24	4k x 8	450ns, 5V	5.95	5.49	3.95
40133	✦	2732A-45✣	DIP-24	4k x 8	450ns, 5V	3.95	3.75	3.49
40125	✦	2732A-25✣	DIP-24	4k x 8	250ns, 5V	4.95	4.49	3.95
114876	✦	2732B✣	DIP-24	4k x 8	450ns, 5V	3.95	3.75	3.49
40109	✦	2732A-20✣	DIP-24	4k x 8	200ns, 5V	5.49	4.95	4.49
266001	✦	27C32-150✣	DIP-24	4k x 8	150ns, 5V	5.95	5.49	4.95
40205	✦	2764-25✣	DIP-28	8k x 8	250ns, 5V	3.95	3.75	3.49
40192	✦	2764-20✣	DIP-28	8k x 8	200ns, 5V	4.25	3.95	3.75
40248	✦	2764A-25✣	DIP-28	8k x 8	250ns, 5V	3.95	3.75	3.49
40230	✦	2764A-20✣	DIP-28	8k x 8	200ns, 5V	4.25	3.95	3.75
698322	ST	M27C64A-15F1℞	FDIP-28	8k x 8	150ns, 5V (±10%)	5.25	4.75	4.49
39845	✦	27C64-25✣	DIP-28	8k x 8	250ns, 5V	3.49	3.25	2.95
74608	✦	27C64-20✣	DIP-28	8k x 8	200ns, 5V	3.75	3.49	3.25
39829	✦	27C64-15✣	DIP-28	8k x 8	150ns, 5V	4.25	3.95	3.75
105304	✦	27C64-12✣	DIP-28	8k x 8	120ns, 5V	4.75	4.49	3.95
266036	✦	27C64-100	DIP-28	8k x 8	100ns, 5V	4.95	4.55	4.05
39933	✦	27128-25✣	DIP-28	16k x 8	250ns, 5V	3.95	3.75	3.49
39984	✦	27128A-25✣	DIP-28	16k x 8	250ns, 5V	3.95	3.75	3.49
39968	✦	27128A-20✣	DIP-28	16k x 8	200ns, 5V	4.25	3.95	3.55
39950	✦	27128A-15✣	DIP-28	16k x 8	150ns, 5V	4.49	4.25	3.95
39685	✦	27C128-25✣	DIP-28	16k x 8	250ns, 5V	3.75	3.49	3.25
101101	✦	27C128-20✣	DIP-28	16k x 8	200ns, 5V	3.95	3.75	3.49
39677	✦	27C128-15✣	DIP-28	16k x 8	150ns, 5V	4.25	3.95	3.75
87935	✦	27C128-12✣	DIP-28	16k x 8	120ns, 5V	4.49	4.25	3.95
266061	✦	27C128-10	DIP-28	16k x 8	100ns, 5V	4.75	4.49	4.25

✣ Refurbished = Backed by Jameco †FDIP = Ceramic frit seal ✪ Blue P/N = Limited Qty Available

EPROMs (Continued)

★Web Code: XAF

Part No.	*Mfr.	Product No.	Pkg.†	Config.	Description	1	10	100
149665	✦	27C128-70	DIP-28	16k x 8	70ns, 5V	$4.95	$4.75	$4.49
40061	✦	27256-25✣	DIP-28	32k x 8	250ns, 5V	2.35	2.15	1.85
40045	✦	27256-20✣	DIP-28	32k x 8	200ns, 5V	2.55	2.25	1.95
40037	✦	27256-15✣	DIP-28	32k x 8	150ns, 5V	2.75	2.49	2.25
39731	✦	27C256-25✣	DIP-28	32k x 8	250ns, 5V	2.35	2.15	1.85
39722	✦	27C256-20✣	DIP-28	32k x 8	200ns, 5V	2.55	2.25	1.95
39714	✦	27C256-15✣	DIP-28	32k x 8	150ns, 5V	2.75	2.49	2.25
698111	ST	M27C256B-15F1℞	FDIP-28	32k x 8	150ns, 5V	3.95	3.49	3.25
65904	✦	27C256-12✣	DIP-28	32k x 8	120ns, 5V	3.49	2.95	2.75
698091	ST	M27C256B-12F1℞	FDIP-28	32k x 8	120ns, 5V, C-temp	4.25	3.75	3.49
698103	ST	M27C256B-12F6℞	FDIP-28	32k x 8	120ns, 5V, I-temp	3.95	3.49	3.25
112740	✦	27C256-10✣	DIP-28	32k x 8	100ns, 5V	3.75	3.25	2.95
698082	ST	M27C256B-10F1℞	FDIP-28	32k x 8	100ns, 5V	4.49	3.95	3.59
140476	✦	27C256-70✣	DIP-28	32k x 8	70ns, 5V	4.75	4.49	3.95
266079	✦	27C256-55	DIP-28	32k x 8	55ns, 5V	4.95	4.75	4.49
40168	✦	27512-25✣	DIP-28	64k x 8	250ns, 5V	2.25	1.95	1.75
40150	✦	27512-20✣	DIP-28	64k x 8	200ns, 5V	2.49	2.25	1.95
39802	✦	27C512-25✣	DIP-28	64k x 8	250ns, 5V	2.25	1.95	1.75
39790	✦	27C512-20✣	DIP-28	64k x 8	200ns, 5V	2.49	2.25	1.95
39781	✦	27C512-15✣	DIP-28	64k x 8	150ns, 5V	2.75	2.49	2.25
698234	ST	M27C512-15F1℞	FDIP-28	64k x 8	150ns, 5V	3.39	3.19	2.95
39773	✦	27C512-12✣	DIP-28	64k x 8	120ns, 5V	2.95	2.75	2.49
698226	ST	M27C512-12F1℞	FDIP-28	64k x 8	120ns, 5V	3.49	3.25	3.05
131959	✦	27C512-10✣	DIP-28	64k x 8	100ns, 5V	3.25	2.95	2.75
698218	ST	M27C512-10F1℞	FDIP-28	64k x 8	100ns, 5V	3.55	3.29	3.15
175206	✦	27C512-90✣	DIP-28	64k x 8	90ns, 5V	3.49	3.25	2.95
698306	ST	M27C512-90F1℞	FDIP-28	64k x 8	90ns, 5V, C-temp	3.75	3.49	3.25
698314	ST	M27C512-90F6℞	FDIP-28	64k x 8	90ns, 5V, I-temp	3.75	3.49	3.25
203625	✦	27C512-70	DIP-28	64k x 8	70ns, 5V	3.95	3.75	3.49
203617	✦	27C512-45	DIP-28	64k x 8	45ns, 5V	4.25	3.95	3.75
203641	✦	27C1024-12	DIP-40	64k x 16	120ns, 5V	4.95	4.75	4.49
118148	✦	27C1024-15	DIP-40	64k x 16	150ns, 5V	4.75	4.49	4.25
39669	✦	27C010-20✣	DIP-32	128k x 8	200ns, 5V	3.25	2.95	2.49
39651	✦	27C010-15✣	DIP-32	128k x 8	150ns, 5V	3.49	3.25	2.95
697987	ST	M27C1001-15F1℞	FDIP-32	128k x 8	150ns, 5V	4.25	3.95	3.75
74624	✦	27C010-12✣	DIP-32	128k x 8	120ns, 5V	2.39	2.25	1.45
697961	ST	M27C1001-12F1℞	FDIP-32	128k x 8	120ns, 5V	4.49	4.25	3.95
79231	✦	27C010-10✣	DIP-32	128k x 8	100ns, 5V	3.95	3.75	3.49
697944	ST	M27C1001-10F1℞	FDIP-32	128k x 8	100ns, 5V	4.75	4.49	4.25
137699	✦	27C010-80✣	DIP-32	128k x 8	80ns, 5V	4.49	4.25	3.55
146149	✦	27C010-70✣	DIP-32	128k x 8	70ns, 5V	4.25	3.95	3.75
698007	ST	M27C1001-70F1℞	FDIP-32	128k x 8	70ns, 5V	4.75	4.49	4.25
266095	✦	27C010-55	DIP-32	128k x 8	55ns, 5V	4.95	4.75	4.49
65681	✦	27C020-20✣	DIP-32	256k x 8	200ns, 5V	3.49	2.95	2.49
65699	✦	27C020-15✣	DIP-32	256k x 8	150ns, 5V	3.75	3.49	3.25
78852	✦	27C020-12✣	DIP-32	256k x 8	120ns, 5V	3.95	3.75	3.49
698031	ST	M27C2001-12F1℞	FDIP-32	256k x 8	120ns, 5V	5.49	5.25	4.65
156267	✦	27C020-10	DIP-32	256k x 8	100ns, 5V	4.25	3.95	3.75
698023	ST	M27C2001-10F1℞	FDIP-32	256k x 8	100ns, 5V	5.95	5.49	4.95
203650	✦	27C020-80	DIP-32	256k x 8	80ns, 5V	4.49	4.25	3.75
127933	✦	27C4096-12	DIP-40	256k x 16	120ns, 5V	5.95	5.49	4.95
698197	ST	M27C4002-10F1℞	FDIP-40	256k x 16	100ns, 5V	7.49	6.75	6.25
85462	✦	27C040-15✣	DIP-32	512k x 8	150ns, 5V	4.49	4.25	3.95
698171	ST	M27C4001-15F1℞	FDIP-28	512k x 8	150ns, 5V	7.95	6.95	6.25
102293	✦	27C040-12✣	DIP-32	512k x 8	120ns, 5V	4.95	4.75	4.49
698154	ST	M27C4001-12F1℞	FDIP-28	512k x 8	120ns, 5V	6.19	5.75	5.49
111780	✦	27C040-10✣	DIP-32	512k x 8	100ns, 5V	5.49	4.95	4.49
698146	ST	M27C4001-10F1℞	FDIP-28	512k x 8	100ns, 5V	7.95	6.95	6.25
203676	✦	27C040-80	DIP-32	512k x 8	80ns, 5V	5.75	5.25	4.75
698189	ST	M27C4001-80XF1℞	FDIP-28	512k x 8	80ns, 5V (±5%)	7.95	6.95	6.25
266124	✦	27C040-70	DIP-32	512k x 8	70ns, 5V	5.95	5.49	4.95
140003	✦	27C080-12✣	DIP-32	1M x 8	120ns, 5V	5.95	5.49	4.95
156275	✦	27C080-10✣	DIP-32	1M x 8	100ns, 5V	6.95	6.49	5.95
698357	ST	M27C801-100F1℞	FDIP-32	1M x 8	100ns, 5V (±10%)	7.95	6.75	6.19

✣ Refurbished = Backed by Jameco †FDIP = Ceramic frit seal

Continued on next page

* ST = ST Micro | ✦ Manufacturer Varies

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

EPROMs (Continued)

★Web Code: XAF

Part No.	*Mfr.	Product No.	Pkg.	Config.	Description	1	10	100
203684	✦	27C080-90	DIP-32	1M x 8	90ns, 5V	$7.49	$6.75	$6.25
265842	✦	27C800-12	DIP-42	1M x 8	120ns, 5V	7.25	6.49	5.95

IC Accessories

✳ Order in multiples of 10

Part No.	Product No.	Description	1	10
13864	CF2	Conductive foam (12" x 24" x .25") hard black	$11.95	$10.95
29516	RIC20	.300 anti-static rail for 8, 14, 16, 18, 20 & 22-pin ICs	.25	.22
29524	RIC220	.600 anti-static rail for 24, 28, 36 & 40-pin ICs	.29	.25
29583	RRS	Storage tube rubber stopper ✳		.07

Additional Anti-static Products, IC Accessories and Tools see page 160

OTP/PROMs

★Web Code: WAG

Part No.	*Mfr.	Product No.	Pkg.	Config.	Description	1	10	100
48717	✦	74S288	DIP-16	32 x 8	256-bit, 5V, 25ns, PROM	$9.95	$8.95	$7.95
27844	✦	N82S23	DIP-16	32 x 8	256-bit, 7V, 50ns, PROM	5.95	4.95	3.95
27764	✦	N82S123	DIP-16	32 x 8	256-bit, 7V, 50ns, PROM	11.95	10.95	9.95
27748	✦	N82S100	DIP-28	16 x 48 x 8	Field prog. logic array, 3-st.	10.95	9.95	8.95
48696	✦	74S287	DIP-16	256 x 4	1-kbit, 5V, 30ns, PROM	10.95	9.95	7.95
48805	✦	74S387	DIP-16	256 x 4	1-kbit, 5V, 30ns, PROM	3.95	3.75	3.49
27772	✦	N82S126	DIP-16	256 x 4	1-kbit, 5V, 50ns, PROM	7.95	6.95	5.95
27781	✦	N82S129	DIP-16	256 x 4	1-kbit, 7V, 50ns, PROM	10.95	9.95	8.95
27799	✦	N82S131	DIP-16	512 x 4	2-kbit, 7V, 50ns, PROM	7.95	6.95	5.95
27801	✦	N82S137	DIP-18	1k x 4	4-kbit, 7V, 60ns, PROM	5.95	4.95	3.95
27810	✦	N82S181	DIP-24	1k x 8	8-kbit, 7V, 70ns, PROM	8.95	7.95	6.95
27828	✦	N82S185	DIP-18	2k x 4	8-kbit, 7V, 100ns, PROM	3.95	2.95	1.95
27836	✦	N82S191	DIP-24	2k x 8	16-kbit, 7V, 35ns, PROM	8.95	7.95	6.95
394978	ATM	AT27C256R-45JI	PLCC-32	32k x 8	256-kbit, 45ns OTP, LP, I-temp.	2.75	2.49	2.25
394986	ATM	AT27C256R-45PU℞	DIP-28	32k x 8	256-kbit, 45ns OTP, LP, I-temp.	1.25	1.15	1.05
266343	✦	27C512-15	PLCC-32	64k x 8	512-kbit, 5V, 150ns, OTP	.89	.79	.49
395081	ATM	AT27C512R-70PU℞	DIP-28	64k x 8	512-kbit, 5V, 70ns, I-temp., OTP	1.35	1.19	1.09
203692	✦	27C512-12	DIP-28	64k x 8	512-kbit, 5V, 100ns, OTP	1.35	1.19	1.09
394708	ATM	AT27C010-70PU℞	DIP-32	128k x 8	1-Mbit, 5V, 70ns, I-temp., OTP	1.95	1.75	1.49
266811	✦	27C010-55	PLCC-32	128k x 8	1-Mbit, 5V, 55ns OTP	1.95	1.25	1.05
267303	✦	27C080-10	PLCC-32	1M x 8	8-Mbit, 5V, 100ns, OTP	4.95	3.95	3.49
267215	✦	27C080-15	PLCC-32	1M x 8	8-Mbit, 5V, 150ns, OTP	3.95	2.49	2.25

EEPROMs

Please Note: Manufacturer may vary

★Web Code: GAM

Part No.	Product No.	Pkg.	Config.	Description	1	10	100
102058	93C46	DIP-8	64 x 16	3-wire serial, 2-5V	$.25	$.22	$.19
276955	93C46	SOIC-8	64 x 16	3-wire serial, 2-5V	.25	.15	.12
108855	93C56	DIP-8	128 x 16	3-wire serial, 2-5V	.25	.22	.19
108839	24C02P	DIP-8	256 x 8	2-wire serial, 5V	.29	.25	.22
200598	93C66	DIP-8	256 x 16	3-wire serial, 2-5V	.25	.22	.19
108847	24C04P	DIP-8	512 x 8	2-wire serial, 2-5V	.45	.39	.35
200547	24C08-10	DIP-8	1k x 8	2-wire serial, 2-5V	.45	.39	.35
200555	24C16-10	DIP-8	2k x 8	2-wire serial, 5V	.45	.39	.35
276699	28C16	SOIC-24	2k x 8	Page parallel, 5V	2.49	2.25	1.95
74691	28C16A-25	DIP-24	2k x 8	Page parallel, 5V	3.95	3.75	3.49
276701	28C17	DIP-28	2k x 8	Page parallel, 5V	3.95	3.75	3.49
40416	2817A-25	DIP-28	2k x 8	Page parallel, 5V	3.95	3.75	3.49
276752	28C64	SOIC-28	8k x 8	Page parallel, 5V	1.95	1.25	.95
74827	28C64A-25	DIP-28	8k x 8	Page parallel, 5V	3.75	3.49	3.25
40475	2865A	DIP-28	8k x 8	5V with latches	4.95	4.49	3.95
276816	28C256-15SC	SOIC-28	32k x 8	Page parallel, 5V	5.49	4.49	3.95
200580	24C256-10	DIP-8	32k x 8	2-wire serial, 2-5V	1.49	1.35	1.19
74878	28C256-25	DIP-28	32k x 8	Page parallel, 5V	5.95	5.49	4.95
74843	28C256-15	DIP-28	32k x 8	Page parallel, 5V	5.49	5.25	4.49
1474101	M9526-WMN6TP℞	SO-8	32k x 8	2.5-5.5V, 256-kbit serial spi bus	1.49	1.25	1.05
276832	24C512	DIP-8	64k x 8	2-wire serial, 2-5V	1.95	1.75	1.49
1010868	AT24C512BN-SH-B℞	SOIC-8	64k x 8	2-wire serial, 1.8-3.6V	1.75	1.45	1.15
276912	24C1024	DIP-8	128k x 8	2-wire serial, 2.7-5V	5.95	5.49	5.25
395372	AT28LV010-20TC	TSSOP-32	128k x 8	Page parallel, 3.3V	29.95	26.95	23.95

Static RAM

★Web Code: WAF

Part No.	*Mfr.	Product No.	Pkg.	Config.	Description	1	10
38931	✦	2111-1	DIP-18	256 x 4	1-Kbit, 5V, 500ns	$1.95	$1.75
42198	✦	5101★	DIP-22	256 x 4	1-Kbit, 5V, 450ns	7.95	6.95
38957	✦	2114N	DIP-18	1k x 4	4-Kbit, 5V, 450ns	1.95	1.75
43238	✦	6514	DIP-18	1k x 4	4-Kbit, 5V, 300ns	2.95	2.75
38973	✦	2114N-2	DIP-18	1k x 4	4-Kbit, 5V, 200ns	2.19	1.95
38981	✦	2114N-2L	DIP-18	1k x 4	4-Kbit, 5V, 450ns, LP	2.35	2.19
38738	✦	2016-12	DIP-24	2k x 8	16-Kbit, 5V, 120ns	1.25	1.15
38746	✦	2016-20★	DIP-24	2k x 8	16-Kbit, 5V, 200ns	.89	.79
114260	DAL	DS1220Y-150	DIP-24	2k x 8	16-Kbit, 5V, 150ns, NV	10.95	9.95
25911	✦	MK48Z02B-15	DIP-24	2k x 8	16-Kbit, 5V, 150ns	7.95	6.95
42809	✦	6116P-3★	DIP-24	2k x 8	16-Kbit, 5V, 150ns	1.75	1.55
42753	✦	6116LP-3★	DIP-24	2k x 8	16-Kbit, 5V, 150ns, LP	1.85	1.65
42788	✦	6116P-1★	DIP-24	2k x 8	16-Kbit, 5V, 100ns	1.85	1.65
242676	✦	L6116PC10	DIP-24	2k x 8	16-Kbit, 5V, 100ns	1.49	1.25
42796	✦	6116P-2★	DIP-24	2k x 8	16-Kbit, 5V, 120ns	1.49	1.25
42737	✦	6116LP-1★	DIP-24	2k x 8	16-Kbit, 5V, 100ns, LP	1.95	1.75
242683	CPS	CY7C128A-45	DIP-24	2k x 8	16-Kbit, 5V, 45ns, Asynch.	2.95	2.75
242675	✦	6116-70	DIP-24	2k x 8	16-Kbit, 5V, 70ns	2.25	1.95
392446	✦	CY7C4235V-15ASC	STQFP-64	2k x 18	36-Kbit, 3.3V, 15ns, Synch. FIFO	14.95	12.95
242333	✦	CY7C185-35	DIP-28	8k x 8	64-Kbit, 5V, 35ns, Asynch.	2.49	2.25
1927473	ALM	AS6C6264-55PCN℞	PDIP-28	8k x 8	64k LP, 55ns, 2.7- 5.5V, C-temp	2.75	2.49
392294	CPS	CY6264-70SNC	SOIC-28	8k x 8	64-Kbit, 5V, 70ns	1.05	.95
85121	✦	6264LP-70	DIP-28	8k x 8	64-Kbit, 5V, 70ns, LP	3.75	3.49
42884	✦	6264LP-10★	DIP-28	8k x 8	64-Kbit, 5V, 100ns, LP	2.95	2.75
42921	✦	6264P-10★	DIP-28	8k x 8	64-Kbit, 5V, 100ns	2.75	2.49
42892	✦	6264LP-12★	DIP-28	8k x 8	64-Kbit, 5V, 120ns, LP	2.75	2.49
42930	✦	6264P-12★	DIP-28	8k x 8	64-Kbit, 5V, 120ns	2.49	2.25
114278	DAL	DS1225AB-15	DIP-28	8k x 8	64-Kbit, 5V, 150ns, NV	14.95	12.95
114307	DAL	DS1225Y-200	DIP-28	8k x 8	64-Kbit, 5V, 200ns, NV	11.95	10.95
242376	✦	CY7C199P-35	DIP-28	32k x 8	256-Kbit, 5V, 35ns, LP Asynch.	1.95	1.75
1927414	ALM	AS6C62256-55PCN℞	PDIP-28	32k x 8	256k LP, 55ns, 2.7-5.5V, C-temp	2.95	2.75
242499	DAL	DS1230Y-70	DIP-28	32k x 8	256-Kbit, 4.5V, 70ns, WP	17.95	15.95
177113	DAL	DS1230Y-100	DIP-28	32k x 8	256-Kbit, 5V, 100ns, NV	12.95	11.95
114323	DAL	DS1230Y-150	DIP-28	32k x 8	256-Kbit, 5V, 150ns, NV	11.95	10.95
41970	✦	43256-10L★	DIP-28	32k x 8	256-Kbit, 5V, 100ns, LP	3.95	3.75
41988	✦	43256-12L★	DIP-28	32k x 8	256-Kbit, 5V, 120ns, LP	3.75	3.49
75037	✦	UM61M256K-15	DIP-28	32k x 8	256-Kbit, 5V, 15ns	2.95	2.75
82472	✦	62256LP-70	DIP-28	32k x 8	256-Kbit, 5V, 70ns, LP	2.75	2.49
391793	CPS	CY62256L-70PC	DIP-28	32k x 8	256-Kbit, 5V, 70ns	2.95	2.75
391822	CPS	CY62256LL-70PC	DIP-28	32k x 8	256-Kbit, 5V, 70ns, LP	2.95	2.75
391890	CPS	CY62256LL-70SNC	SOIC-28	32k x 8	256-Kbit, 5V, 70ns, LP	1.75	1.55
42876	✦	62256LP-85	DIP-28	32k x 8	256-Kbit, 5V, 85ns, LP	2.65	2.45
42833	✦	62256LP-10★	DIP-28	32k x 8	256-Kbit, 5V, 100ns, LP	2.49	2.15
42850	✦	62256LP-12★	DIP-28	32k x 8	256-Kbit, 5V, 120ns, LP	2.25	2.05
279831	CPS	CY7C199-25VC	SOJ-28	32k x 8	256-Kbit, 5V, 25ns	1.75	1.49
279857	✦	62256S-15	SOJ-28	32k x 8	256-Kbit, 5V, 150ns	1.25	.95
693935	✦	M5M5258P-35	DIP-24	64k x 4	256-Kbit, 5V, 35ns	1.25	.85
1927799	ALM	AS7C1026B-12JCN℞	SOJ-44	64k x 16	1M, 12ns, 5V, C-temp	3.49	3.25
1927457	ALM	AS6C1008-55PCN℞	PDIP-32	128k x 8	1M LP, 55ns, 2.7-5.5V, C-temp	3.95	3.75
391831	CPS	CY62128BLL-70SC	SOIC-32	128k x 8	1-Mbit, 5V, 70ns, LP	2.49	2.25
391996	CPS	CY62128BLL-70ZC	TSSOP-32	128k x 8	1-Mbit, 5V, 70ns, LP	2.95	2.75
131810	✦	628128LP-70	DIP-32	128k x 8	1-Mbit, 5V, 70ns, LP	6.95	5.95
103982	✦	628128LP-85★	DIP-32	128k x 8	1-Mbit, 5V, 85ns, LP	4.95	4.49
1927617	ALM	AS6C4008-55PCN℞	PDIP-32	512k x 8	4M LP, 55ns, 2.7-5.5V, C-temp	5.95	5.49
242448	✦	BS62LV4006PIP-55	PDIP-32	512k x 8	4M LP, 55ns, 2.4-5.5V, I-temp	18.95	16.95
157358	✦	628512LP-70	DIP-32	512k x 8	4-Mbit, 5V, 70ns, LP	17.95	15.95
280049	✦	628512S-70	SOP-32	512k x 8	4-Mbit, 5V, 20ns, Asynch.	4.95	4.49
1862446	✦	IS61WV20488BLL-IOMLI℞	BGA-48	2M x 8	16M, 2.4-3.6V, 10ns	29.25	24.95

★ Pull = Extra Savings

★I²C SMBus Available Online — Enter Web Code SAS

* ALM = Alliance Memory | ATM = Atmel Semiconductor | CPS = Cypress Semiconductor | DAL = Dallas Semiconductor | ✦ Manufacturer Varies

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

DRAM, Memory, Dallas, PLDs & Supervisory

3 LEVELS OF SAVINGS: NAME BRANDS | HOUSE BRANDS | FACTORY OVERRUN

DRAM

Please Note: Manufacturer may vary

Part No.	Product No.	Pkg.	Config.	Description	1	10	100
41339	4116-15	DIP-16	16k x 1	150ns (MM5290J-1R)	$.99	$.89	$.79
41662	4164-150★	DIP-16	64k x 1	150ns (MCM6665-15)	.99	.89	.79
41574	41464-10★	DIP-18	64k x 4	100ns (HY53C464S-10)	1.69	1.59	1.45
41398	41256-120★	DIP-16	256k x 1	120ns (MB81256-12)	.79	.69	.59
42315	514256P-80★	DIP-20	256k x 4	80ns (UPD424256-80)	1.49	1.35	1.19
93374	514256P-70★	DIP-20	256k x 4	70ns (TC514256P-70)	1.55	1.39	1.25
128688	HM514260AJ7Y★	SOJ-40	256k x 16	70ns	2.95	2.75	2.49
42219	511000P-10	DIP-18	1M x 1	100ns (M5M4C1000-10)	1.95	1.49	1.25

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★ SDRAMs Available Online — Enter Web Code RAY

Legacy Intel® Desktop Processors

Part No.	Description	Speed (MHz)	Package	1	10
183100	Intel Pentium® II processor	400	Slot 1	$39.95	$29.95
190060	Intel Pentium® II w/ heat sink	233	Slot 1	25.95	22.95
140054	Intel Pentium MMX® processor★	200	376/PGA	14.95	12.95
130841	Intel Pentium® processor	166	296/PGA	9.95	8.95

★ Pull = Extra Savings

Memory Modules

Please Note: Manufacturer may vary — ★ Web Code: GAG

Part No.	Product No.	Capacity	Description	Config.	Pins	1	10
148460	8MBX36-60	32MB	60ns SIMM	8M x 36	72	$19.95	$17.95
75096	P362000-XX-6	8MB	60ns SIMM	2M x 36	72	10.95	9.95
130729	JEEDO7208	8MB	60ns SIMM EDO	2M x 32	72	1.25	.95
75133	P361000-XX-6	4MB	60ns SIMM	1M x 36	72	6.95	5.95

Flash Memory

Please Note: Manufacturer may vary — ★ Web Code: KAJ

Part No.	Product No.	Pkg.	Config.	Description	1	10	100
74771	28F010-15	DIP-32	128k x 8	150ns, 5V	$4.95	$4.35	$3.95
242587	29F010-120	DIP-32	128k x 8	120ns, 5V	2.95	2.75	2.49
242595	29F010-90	DIP-32	128k x 8	90ns, 5V	2.95	2.75	2.49
242608	29F010-70	DIP-32	128k x 8	70ns, 5V	3.25	2.95	2.75
845185	AT29C010A-90JC	PLCC-32	128k x 8	90ns, 5V, com. temp.	1.95	1.75	1.49
74835	28F020-15	DIP-32	256k x 8	150ns, 5V	6.95	6.25	5.49
242616	29F020-12	DIP-32	256k x 8	120ns, 5V	7.95	6.95	5.95
242659	29F040-120	DIP-32	512k x 8	120ns, 5V	3.95	3.75	3.49
242667	29F040-90	DIP-32	512k x 8	90ns, 5V	4.25	3.95	3.75
321664	M25P40-VMN6	SOIC-8	512k x 8	3V w/ 40MHz SPI bus interf.	2.95	2.49	2.25
321672	M25P80-VMN6	SOIC-8	1M x 8	3V w/ 40MHz SPI bus interf.	2.49	2.25	1.75
1912896	S29GL128N10TFI010	TSSOP-56	16M x 8	100ns, 3.6V	9.95	7.95	6.95

★ Boot Block Flash Available Online — Enter Web Code MEH

★ Page Mode Flash Available Online — Enter Web Code BCR

Flash MCUs

Part No.	Mfr. Part No.	Pkg.	Description	1	10
280268	Z8F1601PM020SC	DIP-40	16kB ROM, 2kB RAM, 31 I/O, A/D	$8.95	$7.95
280292	Z8F2401PM020SC	DIP-40	24kB ROM, 2kB RAM, 31 I/O, A/D	9.95	8.95
280305	Z8F2401VN020SC	PLCC-44	24kB ROM, 2kB RAM, 31 I/O, A/D	9.95	8.95
280330	Z8F3201VN020SC	PLCC-44	32kB ROM, 2kB RAM, 31 I/O, A/D	8.95	7.95
280348	Z8F3202VS020SC	PLCC-68	32kB ROM, 2kB RAM, 46 I/O, A/D	8.95	7.95
280356	Z8F4801PM020SC	DIP-40	48kB ROM, 4kB RAM, 31 I/O, A/D	9.95	8.95
280364	Z8F4801VN020SC	PLCC-44	48kB ROM, 4kB RAM, 31 I/O, A/D	9.95	8.95
280372	Z8F4802VS020SC	PLCC-68	48kB ROM, 4kB RAM, 46 I/O, A/D	9.95	8.95

Supervisory

★ Web Code: SCT

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10
884897	MAX	MAX691ACPE	DIP-16	µP supervisory circuit (C-temp)	$4.95	$4.15

★ CPLDs and FPGAs Available Online — Enter Web Code SAZ

Dallas Semiconductors

★ Web Code: QDH

Part No.	Mfr. Part No.	Pkg.	Description	1	10	100
866584	DS275	DIP-8	Line powered RS-232 transceiver chip	$4.75	$4.49	$3.95
114198	DS1210	DIP-8	NV controller chip	3.75	2.95	2.25
114219	DS1213C	DIP-28	Smart socket	15.95	14.95	13.95
133410	DS1216C	DIP-28	Smart watch/RAM	25.95	22.95	17.95
780182	DS1231-20 ℞	DIP-8	Power monitor chip	5.95	4.49	3.95
114331	DS1232LP	DIP-8	Micromonitor chip	1.69	1.35	1.09
697231	DS1243Y-120+℞	DIP-28	64k NV SRAM w/ phantom clock	23.95	21.95	19.95
133444	DS1286	DIP-28	Watchdog timekeeper	19.95	17.95	15.95
76646	DS1287★	DIP-24	Real time clock chip	7.95	7.25	6.49
176778	DS1302	DIP-8	Trickle charge time keeping	2.59	2.05	1.49
780481	DS1302+℞	DIP-8	Trickle charge time keeping chip, C-temp	2.95	2.29	1.65
1194679	DS1307℞	DIP-8	5V, 64 x 8 serial I2C real time clock, C-temp	2.95	2.49	1.85
114374	DS1387★	DIP-24	RAMified real time clock	5.95	5.25	4.75
114382	DS1620	DIP-8	Digital thermometer and thermostat	5.25	4.49	2.95
865936	DS18B20	TO-92	Prog. resolution 1-wire digital thermometer	4.25	3.75	3.49
133452	DS12887★	DIP-24	Real time clock chip	5.95	4.95	3.75
345359	DS87C520-WCL	DIP-40	EPROM/ROM MCU, high speed	39.95	35.95	32.95

★ Pull = Extra Savings

PALs, GALs & PEELs

★ Web Code: YAD

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10
28020	✦	PAL16L8	DIP-20	Octal 16-input AND-OR-INVERT gate array	$1.95	$1.75
111667	✦	PAL16R6ANC	DIP-20	TTL, 32 x 64 AND array	1.49	1.25
652615	✦	GAL16V8-7	DIP-20	7ns 64 x 32 AND array	1.95	1.75
88399	✦	GAL16V8-10*	DIP-20	10ns 64 x 32 AND array	1.85	1.65
37452	✦	GAL16V8-15*	DIP-20	15ns 64 x 32 AND array	1.09	.99
37461	✦	GAL16V8-25*	DIP-20	25ns 64 x 32 AND array	.99	.89
876539	LAT	GAL16V8D-25LP	DIP-20	25ns 64 x 32 AND array	1.25	1.15
312995	✦	16CV8P-25	DIP-20	25ns 64 x 32 AND array, PEEL	.89	.69
105953	ANA	18CV8P-25	DIP-20	25ns 74 x 36 AND array, PEEL	2.75	2.45
88292	✦	GAL20V8-10**	DIP-24	10ns 64 x 40 AND array	2.95	2.75
38658	✦	GAL20V8-15**	DIP-24	15ns 64 x 40 AND array	1.59	1.45
38666	✦	GAL20V8-25	DIP-24	25ns 64 x 40 AND array	1.49	1.15
105996	ANA	22CV10AP-25	DIP-24	25ns 132 x 44 AND array, PEEL	2.95	2.75
123801	✦	GAL22V10-10	DIP-24	10ns 132 x 44 AND array	3.95	3.75
876951	LAT	GAL22V10D-15LP	DIP-24	15ns 132 x 44 AND array	5.95	5.49
39159	✦	GAL22V10-15	DIP-24	15ns 132 x 44 AND array	3.75	3.49
39167	✦	GAL22V10-25	DIP-24	25ns 132 x 44 AND array	2.45	2.25
1247902	LAT	GAL22V10D-25LJI✪	PLCC-28	25ns 132 x 44 AND array	2.49	2.25
877013	LAT	GAL22V10D-25LJ	PLCC-28	25ns 132 x 44 AND array, C-temp.	2.49	1.75

GALs are electrically erasable, CMOS PLDs that can be reprogrammed and can be used in place of numerous PALs

* Replaces PALs: 10H8, 10L8, 10P8, 12H6, 12L6, 12P6, 14H4, 14L4, 14P4, 16H2, 16H8, 16L2, 16L8, 16P2, 16P8, 16R4, 16R6, 16R8, 16RP4, 16RP6,16RP8, 14H8, 14L8, 14P8, 16H6, 16L6, 16P6

** Replaces PALs: 18H4, 18L4, 18P4, 20H2, 20H8, 20L2, 20L8, 20P2, 20P8, 20R4, 20R6, 20R8, 20RP4, 20RP6, 20RP8 ✪ Blue Part No. = Limited Quantity Available

MPU Supervisory

Please Note: Manufacturer may vary — ★ Web Code: PAN

Part No.	Product No.	Pkg.	Description	1	10	100
106219	MAX690CPA	DIP-8	Watchdog timer, 4.4V	$3.95	$3.59	$3.25
106227	MAX691CPE	DIP-16	Watchdog timer, 4.65V	3.95	3.59	3.25
1802620	ADM705ANZ℞	DIP-8	Low cost microprocessor	1.25	.95	.65
106260	MAX1232CPA	DIP-8	Watchdog timer, 4.65V - 4.75V	1.95	1.49	.85

Voice Chip

★ Web Code: XAU

Single-Chip Voice Record/Playback Device

- Manual switch or microprocessor controllable
- Directly cascadable for longer durations
- Single voltage operation: +5V (4.5V to 5.5V operating range)
- Playback can be edge or level-activated • 28-pin DIP
- Typical 100k record cycles, 1µA standby current and 100 year message retention

Part No.	Mfr. Part No.	Description	1	10	50
141671	ISD1110P	Voice record/playback (10 sec.)	$6.95	$6.25	$5.49

* ANA = Anachip | LAT = Lattice Semiconductor | MAX = Maxim Semiconductor | ✦ = Manufacturer Varies

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Microcontrollers

★Web Code: PAV

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10
145040	MCH	PIC12C508A-04/P℞	DIP-8	512 OTP, 4MHz, 5 I/O, C-temp	$.95	$.85
144258	MCH	PIC12C509A-04/P℞	DIP-8	1k OTP, 4MHz, 5 I/O, C-temp	.95	.85
145058	MCH	PIC12C509A/JW	DIP-8	1k EPROM, 41-bit, 4MHz, 5 I/O	10.95	9.49
193455	MCH	PIC12C671-04/P	DIP-8	1k OTP, 128-bit, 4MHz, 6 I/O	1.75	1.49
193463	MCH	PIC12C672-04/P	DIP-8	2k OTP, 128-bit, 4MHz, 6 I/O	1.75	1.49
248145	MCH	PIC12CE674-10/P	DIP-8	2k OTP, 128-bit, 10MHz, 5 I/O	2.49	1.95
223790	MCH	PIC12F629-I/P℞	DIP-8	1k flash, 20MHz, 6 I/O, I-temp	.89	.85
312493	MCH	PIC12F635-I/P	DIP-8	64-bit, 2k flash, 20MHz, 6 I/O	.95	.85
223781	MCH	PIC12F675-I/P℞	DIP-8	1k flash, 20MHz, 6 I/O, I-temp	1.09	.99
312514	MCH	PIC12F683-I/P℞	DIP-8	2k flash, 20MHz, 6 I/O, I-temp	1.29	1.25
128338	MCH	PIC16C54A-04/P℞	DIP-18	512 OTP, 4MHz, 12 I/O, C-temp	1.39	1.29
247214	MCH	PIC16C54C-20I/P	DIP-18	512 OTP, 25-bit, 20MHz, 12 I/O	1.45	1.25
200416	MCH	PIC16C55A-04/P	DIP-28	512 OTP, 24-bit, 4MHz, 20 I/O	1.95	1.59
247265	MCH	PIC16C56A-20I/P	DIP-18	1k OTP, 25-bit, 20MHz, 12 I/O	1.95	1.49
193341	MCH	PIC16C57C-04/P℞	DIP-28	2k OTP, 4MHz, 20 I/O, C-temp	1.95	1.85
200424	MCH	PIC16C66-04/SP	DIP-18	8k OTP, 368-bit, 4MHz, 22 I/O	4.95	4.49
247484	MCH	PIC16C67-20/P	DIP-40	8k OTP, 368-bit, 20MHz, 33 I/O	5.49	5.25
200432	MCH	PIC16C72A-04/SP	DIP-28	2k OTP, 128-bit, 4MHz, 22 I/O	3.49	2.95
247695	MCH	PIC16C72A-20I/P	DIP-28	2k OTP, 128-bit, 20MHz, 22 I/O	3.95	3.55
193359	MCH	PIC16C711-04/P℞	DIP-18	1k OTP, 4MHz, 13 I/O, C-temp	2.25	2.15
247599	MCH	PIC16C711-20I/P℞	DIP-18	1k OTP, 68-bit, 20MHz, 13 I/O	2.75	2.49
247601	MCH	PIC16C711-20/SO	SOIC-18	1k OTP, 68-bit, 20MHz, 13 I/O	2.75	2.49
247759	MCH	PIC16C773-I/SP	DIP-28	4k OTP, 256-bit, 20MHz, 22 I/O	4.95	4.49
145111	MCH	PIC16F84A-04/P℞	DIP-18	1k flash, 4MHz, 13 I/O, C-temp	3.55	3.35
145120	MCH	PIC16F84-10/P℞	DIP-18	1k flash, 10MHz, 13 I/O, C-temp	6.95	6.75
193332	MCH	PIC16F84A-20/P℞	DIP-18	1k flash, 20MHz, 13 I/O, C-temp	3.75	3.55
246861	MCH	PIC16F84A-20I/P℞	DIP-18	1k flash, 20MHz, 13 I/O, I-temp	3.95	3.75
246887	MCH	PIC16F84A-20I/SS	SSOP-20	68-bit, 1k flash, 20MHz, 13 I/O	5.25	4.75
247097	MCH	PIC16F87-I/P℞	DIP-18	4k flash, 20Mhz, 16 I/O, I-temp	3.39	3.19
312733	MCH	PIC16F88-I/P℞	DIP-18	4k flash, 20Mhz, 16 I/O, I-temp	3.25	2.95
193439	MCH	PIC16F627-20/P℞	DIP-18	1k flash, 20MHz, 16 I/O, C-temp	2.75	2.59
193447	MCH	PIC16F628-20/P℞	DIP-18	2K flash, 20MHz, 16 I/O, C-temp	3.25	2.95
246756	MCH	PIC16F628-20I/P℞	DIP-18	2k flash, 20MHz, 16 I/O, I-temp	3.49	3.25
223749	MCH	PIC16F630-I/P℞	DIP-14	1k flash, 20MHz, 12 I/O, I-temp	1.29	1.19
247151	MCH	PIC16F648A-I/SO	SOIC-18	256-bit, 4k flash, 20MHz, 16 I/O	1.95	1.75
247142	MCH	PIC16F648A-I/P℞	DIP-18	4k flash, 20Mhz, 16 I/O, I-temp	2.25	1.95
223757	MCH	PIC16F676-I/P℞	DIP-14	1k flash, 20MHz, 12 I/O, I-temp	1.29	1.25
312602	MCH	PIC16F684-I/ST	TSSOP-14	128-bit, 2k flash, 20MHz, 12 I/O	1.25	1.05
312590	MCH	PIC16F684-I/P℞	DIP-14	2k flash, 20MHz, 12 I/O, I-temp	1.59	1.49
312611	MCH	PIC16F688-I/P℞	DIP-14	4k flash, 20MHz, 12 I/O, I-temp	1.95	1.75
312629	MCH	PIC16F688-I/ST	TSSOP-14	256-bit, 4k flash, 20MHz, 12 I/O	1.25	1.05
312709	MCH	PIC16F767-I/SP℞	DIP-28	368-bit, 8k flash, 20MHz, 25 I/O	3.49	3.25
312725	MCH	PIC16F777-I/P℞	DIP-40	368-bit, 8k flash, 20MHz, 36 I/O	3.95	3.49
223765	MCH	PIC16F818-I/P℞	DIP-18	1k flash, 20MHz, 16 I/O, I-temp	2.25	1.95
247071	MCH	PIC16F819-I/SS	SSOP-20	256-bit, 2k flash, 20MHz, 16 I/O	2.15	1.95
223773	MCH	PIC16F819-I/P℞	DIP-18	2k flash, 20MHz, 16 I/O, I-temp	2.49	2.25
246895	MCH	PIC16F870-I/SP℞	DIP-28	2k flash, 20MHz, 22 I/O, I-temp	2.95	2.75
246924	MCH	PIC16F871-I/P℞	DIP-40	128-bit, 2k flash, 20MHz, 33 I/O	3.15	2.95
246941	MCH	PIC16F872-I/SP℞	DIP-28	2k flash, 20MHz, 22 I/O, I-temp	2.95	2.75
246975	MCH	PIC16F873A-I/SP℞	DIP-28	4k flash, 20MHz, 22 I/O, I-temp	3.95	3.75
193367	MCH	PIC16F876-20/SP℞	DIP-28	8k flash, 20MHz, 22 I/O, C-temp	5.95	5.75
247011	MCH	PIC16F876A-I/SP℞	DIP-28	8k flash, 20MHz, 22 I/O, I-temp	4.25	3.95
247046	MCH	PIC16F877A-I/L℞	PLCC-44	8k flash, 20MHz, 33 I/O, I-temp	5.65	5.45
176882	MCH	PIC16F877-20/P℞	DIP-40	8k flash, 20MHz, 22 I/O, C-temp	5.65	5.45
247038	MCH	PIC16F877A-I/P℞	DIP-40	8k flash, 20MHz, 33 I/O, I-temp	4.75	4.55
247880	MCH	PIC17C42A-16/L	PLCC-44	2k OTP, 232-bit, 16MHz, 33 I/O	7.95	6.95
247901	MCH	PIC17C43-25/L	PLCC-44	4k OTP, 454-bit, 25MHz, 33 I/O	10.95	9.95
247919	MCH	PIC17C44-33/P℞	DIP-40	8k OTP, 454-bit, 33MHz, 33 I/O	9.95	8.95
247935	MCH	PIC17C752-33/L	PLCC-68	8k OTP, 678-bit, 33MHz, 50 I/O	9.95	8.95
247943	MCH	PIC17C756A-33I/L	PLCC-68	16k OTP, 902-bit, 33MHz, 50 I/O	11.95	10.95
247951	MCH	PIC17C762-16/L	PLCC-44	8k OTP, 678-bit, 33MHz, 66 I/O	12.95	11.95
247960	MCH	PIC17C766-33I/L	PLCC-84	16k OTP, 902-bit, 33MHz, 66 I/O	14.95	12.95

Microcontrollers (Continued)

★Web Code: PAV

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10
200491	MCH	PIC18C242-I/SP	DIP-28	16k OTP, 512-bit, 40MHz, 23 I/O	$5.25	$4.49
200504	MCH	PIC18C252-I/SP	DIP-28	32k OTP, 1536-bit, 40MHz, 23 I/O	5.49	4.95
247994	MCH	PIC18F252-I/SP℞	DIP-28	32k flash, 40MHz, 23 I/O, I-temp	5.39	5.25
248081	MCH	PIC18F442-I/L	PLCC-44	768-bit, 8k flash, 40MHz, 34 I/O	5.95	5.75
312477	MCH	PIC18F448-I/L	PLCC-44	768-bit, 16k flash, 40MHz, 33 I/O	7.95	6.49
248031	MCH	PIC18F452-I/P℞	DIP-40	32k flash, 40MHz, 34 I/O, I-temp	5.95	5.75
248049	MCH	PIC18F452-I/L℞	PLCC-44	32k flash, 40MHz, 34 I/O, I-temp	6.75	6.25
248057	MCH	PIC18F458-I/P℞	DIP-40	32k flash, 40MHz, 33 I/O, I-temp	6.95	6.75
248129	MCH	PIC18F1320-I/SO	SOIC-18	256-bit, 4k flash, 40MHz, 16 I/O	2.49	2.25
248111	MCH	PIC18F1320-I/P℞	DIP-18	8k flash, 40MHz, 16 I/O, I-temp	3.95	3.49
312303	MCH	PIC18F2525-I/SP℞	DIP-28	48k flash, 40MHz, 25 I/O, I-temp	6.95	6.25
248330	ATM	ATMEGA8-16PI	DIP-28	8kB flash, 16MHz, 23 I/O, I-temp	2.95	2.65
248161	ATM	ATTINY11-6SI	SOIC-8	8-bit MCU, 1kB flash, 6MHz, 6 I/O, I-temp	1.95	1.25
765302	ATM	ATTINY13-20PU℞	DIP-8	1kB flash, 20MHz, 6 I/O, I-temp	1.39	1.29
917687	NXP	PCF8583PN℞	DIP-8	Clock calendar w/ 240 x 8 RAM	2.95	2.35
168874	ATM	AT89C2051-24PU℞	DIP-20	2kB flash, 24MHz, 15 I/O, C-temp	1.09	.89
204089	ATM	AT89C4051-24PC	DIP-20	4kB flash, 24MHz, 15 I/O, C-temp	1.95	1.49
323133	ATM	ATMEGA16-16PU℞	DIP-40	6kB flash, 16MHz, 32 I/O, I-temp	4.75	3.95
689039	ATM	ATTINY2313V-10PU℞	DIP-20	2kB flash, 10MHz, 18 I/O, I-temp.	2.05	1.35
1537061	ATM	ATTINY2313-20PU℞	DIP-20	2k flash, 20MHz, 18 I/O, I-temp	2.15	1.79
248217	ATM	ATTINY26-16PC	DIP-20	2kB flash, 16MHz, 16 I/O, C-temp	2.05	1.49
699552	NXP	P80C31SBPN℞	DIP-40	128 x 8 RAM, LV (2.7-5.5V), LP, hi-spd (33MHz)	1.95	1.75
699579	NXP	P80C32SBPN℞	DIP-40	256 x 8 RAM, LV (2.7-5.5V), LP, hi-spd (33MHz)	2.19	1.75
323141	ATM	ATMEGA8515-16PC	DIP-40	8kB flash, 16MHz, 35 I/O, C-temp	4.95	4.75
395621	ATM	ATMEGA8515L-8PC	DIP-40	8kB flash, 8MHz, 35 I/O, C-temp	3.49	2.95
168911	ATM	AT89C51-24JC	PLCC-44	4kB flash, 24MHz, 32 I/O, C-temp	3.95	3.49
168903	ATM	AT89C51-24PC	DIP-40	4kB flash, 24MHz, 32 I/O, C-temp	3.95	3.49
355830	ATM	AT89S51-24PC	DIP-40	4kB flash, 33MHz, 32 I/O, C-temp	1.75	1.65
168920	ATM	AT89C52-24PC	DIP-40	8kB flash, 24MHz, 32 I/O, C-temp	2.95	2.49
220871	ATM	AT89S52-24JI	PLCC-44	8kB flash, 24MHz, 32 I/O, I-temp	1.35	1.25
662637	ATM	AT89S52-24PC	DIP-40	8kB flash, 24MHz, 32 I/O, C-temp	1.75	1.65
168946	ATM	AT89C55WD-24PC	DIP-40	20kB flash, 24MHz, 32 I/O, C-temp	3.49	3.25
114403	DAL	DS80C320-MCG	DIP-40	High speed LP micro, C-temp	10.95	8.95
846057	ATM	AT89S8253-24JU℞ ✪	PLCC-44	8-bit MCU 12k flash, 24MHz, 32 I/O, I-temp	3.95	3.25
1951035	ATM	AT89S8253-24PU℞	DIP-40	12kB flash, 24MHz, 32 I/O, I-temp	3.95	3.49
248663	TI	MSP430F1121AIPW ✪	SSOP-20	16-bit MCU, flash, 8MHz 4k ROM, 14 I/O	2.95	2.49

✪ Blue Part No. = Limited Quantity Available

MICROCHIP 16-Bit Digital Signal Controllers dsPIC

The dsPIC® Digital Signal Controller (DSC) from Microchip is a powerful 16-bit (data) modified Harvard RISC machine that combines the control advantages of a high-performance 16-bit microcontroller (MCU) with the high computation speed of a fully implemented digital signal processor (DSP) to produce a tightly coupled single-chip single-instruction stream solution for embedded systems design. All integrate Flash program memory and most have EEPROM data storage.

- Memory: flash
- Speed: 40MHz

Part No.	Mfr. Part No.	Pkg.	MIPS	Program Mem. Bytes	SRAM Bytes	1	10
321787	DSPIC30F2010-20I/SOG	SOIC-28	20	12k	512	$5.95	$5.75
321808	DSPIC30F2010-30I/SOG	SOIC-28	30	12k	512	6.95	6.75
321816	DSPIC30F6010-20I/PF	TQFP-80	20	144k	8192	15.95	14.95
321832	DSPIC30F6011-20I/PF	TQFP-64	20	132k	6144	14.95	13.95
321859	DSPIC30F6012-20I/PF	TQFP-64	20	144k	8192	13.95	12.95
323053	DSPIC30F6013-20I/PF	TQFP-80	20	132k	6144	14.95	13.95
323061	DSPIC30F6013-30I/PF	TQFP-80	30	132k	6144	15.95	14.95
323070	DSPIC30F6014-20I/PF	TQFP-80	20	144k	8192	14.95	13.95
323088	DSPIC30F6014-30I/PF	TQFP-80	30	144k	8192	15.95	14.95

PARALLAX 50MIPS SX Microcontroller

Part No.	Mfr. Part No.	Description	1	10
162931	SX28AC/DP-G℞	DIP-28 50MIPS SX microcontroller	$4.95	$4.49

* ATM = Atmel Semiconductor | DAL = Dallas Semiconductor | MCH = Microchip | NXP = NXP/Philips Semi | TI = Texas Instruments

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Micromint 80C52-BASIC Microcontroller

A custom-masked microcontroller with a full-featured 8k-byte ROM-resident BASIC-52 interpreter. 256 x 8-bit RAM.

- Full BASIC interpreter in ROM on a single chip
- Operates DC to 12MHz
- "Stand-alone" software development
- On-chip oscillator and clock circuit
- Interrupts can be handled by BASIC or Assembly Language

Part No.	Mfr. Part No.	Description	1	10	50
125647	80C52BASIC	40-pin CPU 8-bit CMOS w/ BASIC interpreter	$33.95	$31.95	$29.95

KAE Servo Controllers

★Web Code: YBC

Controller operates from standard 8-bit serial interface (RS232 or RS485). Using RS485, any mix of up to 32 controllers may be operated from a single serial port. Complete documentation.

323934

146472: PIC-SERVO Motion Control Chipset for DC Motors

- For DC motors with digital encoders
- 32-bit position, velocity and acceleration resolution
- PWM and direction outputs connect to servo amplifier
- Two chipset (PIC-SERVO V.4, 28-pin and PIC-ENC V.1, 18-pin)

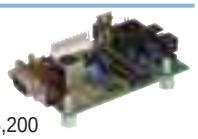
323934: PIC-SERVO SC Servo Motion Control I.C.

- For DC motors (brush or brushless w/ incremental encoder feedback)
- Serial interface connects to RS232/485/422 communication port
- Position control, velocity control, trapezoidal profiling, plus step and direction inputs

Part No.	Mfr. Part No.	Package	1	10	50
146472	KAE-T0V4-DPS	DIP-28/18, 0.3"	$35.95	$32.95	$30.95
323934	KAE-T0V10-DP	DIP-28, 0.3"	29.95	26.95	24.95

KAE Smart Serial Adapter

Serial Converter/Stand Alone Host Controller



- Supports USB or RS232 serial interface
- Up to 32 NMC PIC-SERVO, PIC-STEP, PIC-I/O modules can be controlled from a single smart serial adapter
- RS232 operation supports baud rates from 19,200 to 115,200
- Supports Windows®, LINUX, Mac® OS, and other operating systems
- May be used as a stand alone host with either the simple sequencer chip or a PIC18F2620 MCU
- On board connector for MICROCHIP MPLAB ICD2

Part No.	Mfr. Part No.	Description	1	5
1586120	KAE-SSA485-BDV1	Smart serial adapter	$99.95	$89.95

Parallax Propeller Microprocessor Chip

Designed for high-speed embedded processing while maintaining low-power and low-current consumption.

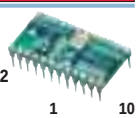
Complete specifications see www.Jameco.com

Part No.	Mfr. Part No.	Package	1	10
2007134	P8X32A-D40ℛ	DIP-40	$12.95	$11.95

Parallax BASIC Stamps

See page 37 for Serial LCD Modules

Ideal for controller applications including robotics, radio-controlled interfaces of a digital camera, and much more.



130892

Complete specifications see www.Jameco.com

Part No.	Mfr. Part No.	Package	1	10
127693	BS1-IC	14-pin	$29.95	$28.45
183071	27291	20-pin SIP (BS2 OEM kit)	49.95	47.49
130892	BS2-ICℛ	24-pin	48.95	43.95

Parallax 50MHz BASIC Stamp 2SX Module

- Program execution speed: 10,000 instructions/sec.
- Current draw @ 5V: 60mA run; 200µA sleep
- Volts required: 5-12 VDC
- RAM size: 32 bytes
- Scratch pad RAM: 64 bytes
- Microcontroller: Ubicom SX28AC

High-Speed Version

Part No.	Mfr. Part No.	Pkg.	No. of I/O Pins	1	10
159775	BS2SX-ICℛ	24-pin	16 + 2 serial	$55.95	$51.95

Our enhanced website offers thousands of datasheets and photos to assist you in finding the products you need.

Parallax BASIC Stamp 2P Modules

In addition to the BS2-SX (below left) features, these modules include commands for HD44780 compatible LCDs, Dallas Semiconductor 1-wire and Philips I2C parts.

184911

- Program execution speed: 12,000 instructions/sec.
- RAM size: 38 bytes (12 I/O, 26 variable)
- Voltage requirements: 5-12VDC
- Current draw @ 5V: 40mA run; 400µA sleep
- Scratch pad RAM: 128 bytes

Part No.	Mfr. Part No.	Pkg.	No. of I/O Pins	1	5
184911	BS2P24-ICℛ	24-pin	16 + 2 serial	$74.95	$69.95
184920	BS2P40-ICℛ	40-pin	32 + 2 serial	84.95	79.95

See page 188 & 189 for Parallax Boards & Kits

Tiny Logic® Series

Order in multiples of 10

Part No.	Mfr. Part No.	Pkg.	Description	10	100
873830	NC7SU04M5Xℛ	SOT-23/5	Single unbuffered inverter	$.07	$.05
873725	NC7S08P5Xℛ	SC-70/5	Single 2-input AND gate	.09	.05
874138	NC7SZ125M5Xℛ	SOT-23/5	Buffer w/ 3-st. output	.09	.05

Interface Series

★Web Code: RBU

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10
242077	✦	TC428CPA	DIP-8	4.5-18V, dual MOSFET driver	$.99	$.89
832448	✦	DS26LS32ACM/NOPBℛ	SOIC-16	Quad differential line receiver	.89	.55
1291647	MCH	TC4420CPAℛ	DIP-8	6A high speed MOSFET driver	1.29	1.09
313437	✦	ICM7218AIJI	DIP-28	5V, 8 digit LCD driver	6.95	6.25
312160	MAX	MAX7219CNG	DIP-24	5V, 8 digit LCD driver	7.95	6.95
313322	✦	ICM7228AIPI	DIP-28	5V, 8 digit LCD driver	5.95	5.49
50884	✦	SN75154N	DIP-16	5-12V, quad line receiver	.39	.35
277940	✦	SN75179BP	DIP-8	5V, diff line driver/receiver	.99	.89
277974	✦	SN75183Nℛ	DIP-14	5V, dual diff line driver	1.95	1.75
51027	✦	SN75451AN	DIP-8	7V, dual peripheral AND driver	.59	.49
51131	✦	SN75492P	DIP-14	5V, HEX digit driver	4.95	4.49
699780	✦	PCA82C250Nℛ	DIP-8	Can controller interface, I-temp.	.99	.85

★*Ethernet Controllers Available Online — Enter Web Code LAE*

★*Interface Controllers Available Online — Enter Web Code HAS*

Digital Interface

★Web Code: WBB

Part No.	Mfr. Part No.	Pkg.	Description	1	10	50
323977	EDEFT639/Pℛ	DIP-8	Servo controller	$6.95	$6.25	$5.75
171951	EDE702ℛ	DIP-18	Serial LCD interface	7.19	6.75	6.25
321710	EDE707ℛ ✪	DIP-28	Octal 7-segment LED display decoder	7.19	6.75	6.25
171969	EDE1144ℛ	DIP-18	Keypad encoder	5.19	4.95	4.75
141532	EDE1200ℛ	DIP-18	Unipolar stepper motor controller	6.39	6.15	5.95
157526	EDE1204ℛ	DIP-18	Bipolar stepper motor controller	6.39	6.15	5.95
321736	EDE2008ℛ	DIP-18	Pushbutton debouncer w/ 8-independent chan	4.19	4.09	3.95
321761	EDE2208/Pℛ	DIP-18	8-pushbutton momentary to toggle	4.19	4.09	3.95

✪ Blue Part No. = Limited Quantity Available

Motor/Display Drivers

★Web Code: DAD

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
25216	ON	MC3479P	DIP-16	7.2-16.5V, stepper motor driver	$3.25	$2.95	$2.45
1762681	ALL	UDN2981A-Tℛ	DIP-18	8-channel source driver	1.79	1.59	1.39
24230	NSC	LM3914N	DIP-18	25V, dot/bar display driver	2.75	2.49	2.25
300003	NSC	LM3914N-1	DIP-18	25V, dot/bar display driver	1.95	1.85	1.57
901010	NSC	LM3914N-1/NOPBℛ	DIP-18	25V, dot/bar display driver	2.35	1.95	1.45
246625	NSC	LM3914V	PLCC-20	25V, dot/bar display driver	2.49	2.25	1.95
24256	NSC	LM3915N	DIP-18	25V, dot/bar display driver	2.75	2.49	2.25
901061	NSC	LM3915N-1	DIP-18	3dB/step, 30db range dot/bar disp. dvr	2.55	2.05	1.55
24272	NSC	LM3916N	DIP-18	3-25V, dot/bar display driver	2.75	2.49	2.25
901108	NSC	LM3916N-1	DIP-18	25V, dot/bar display driver	2.45	1.95	1.35
792440	ON	MC14489BPEℛ	DIP-20	Multi character LED display/lamp drvr.	4.25	3.49	3.25
241824	MOT	MC14489BP	DIP-20	5V, 7-segment LED display driver	3.95	3.25	2.95

* ALL = Allegro | MAX = Maxim Semi | MCH = Microchip | MOT = Motorola | NSC = National Semi | ON = ON Semi | ✦ Manufacturer Varies

ℛ RoHS compliant product ✦ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 190.*

Drivers/Receivers, Encoders/Decoders & Comparators

Stepper Motor Drivers/Controllers

★Web Code: GDP

Part No.	Mfr. Part No.	Pkg.	Description	1	10	100
924545	L293DD℞	SOIC-20	Push pull 4-ch driver w/ diodes	$4.49	$3.75	$3.25
288067	L297/1	DIP-20	Stepper motor controller, 5V	5.95	5.49	4.95
245403	L298N	MW-15	Dual full-bridge driver, 46V	2.59	2.45	2.25
288091	L6202	DIP-18	DMOS full bridge driver, 48V	5.95	5.49	4.95
288104	L6203	MW-11	DMOS full bridge driver, 48V	6.95	6.25	5.49
288105	L6203℞	MW-11	DMOS full bridge driver, 48V	7.95	6.95	6.25
288121	L6506D ✪	SOIC-20	Stepper motor current controller, 5V	2.95	2.75	2.49
871009	MC33035PG℞	DIP-24	Brushless DC motor controller	2.75	2.25	1.95

✪ Blue Part No. = Limited Quantity Available

★Motion Control Available Online — Enter Web Code DEU

Encoders/Decoders

★Web Code: VAR

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
243408	✦	TP3054N	DIP-16	U-law PCM CODEC & filter, 5V	$2.45	$1.75	$1.45
296702	MOT	MC145026P	DIP-16	Encoder, 4.5-18V	2.49	2.25	2.05
296711	MOT	MC145027P	DIP-16	Decoder, 4.5-18V	2.95	2.75	2.49
123730	HOL	HT12E	DIP-18	Encoder, 2.4-12V	1.75	1.55	1.35
123748	HOL	HT12D	DIP-18	Decoder, 2.4-12V	1.65	1.45	1.25
243483	MCH	HCS512-I/P	DIP-18	Code hopping decoder, 4-6V	4.95	4.25	3.95
287945	MCH	MCP2140-I/P	DIP-18	Standard protocol stack controller, 3-5V	2.95	2.75	1.49
287970	MCH	MCP2150-I/SO	SOIC-18	Standard protocol stack controller, 3-5V	3.95	2.95	2.75
243459	MCH	MCP2150-I/P	DIP-18	Standard protocol stack controller, 3-5V	2.95	2.75	2.49

Buffer

★Web Code: WBR

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
23051	✦	LH0002CN	DIP-10	General purpose buffer	$12.95	$11.95	$10.95

Power Management

★Web Code: PMT

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10
312848	TI	BQ2004PN℞	DIP-16	NiMH/NiCd switchmode chrg mgmt w/ neg dV	$2.95	$2.49
312928	TI	BQ2018TS-E	TSSOP-8	Rechargeable battery power monitor	3.95	3.49
312936	TI	BQ2019PW℞	TSSOP-8	Rechargeable battery power monitor	3.49	3.25
312881	TI	BQ2040SN-D111	SOIC-16	Li-Ion/NiMH/NiCD gas gauge w/ smbus	5.95	4.95
312961	TI	UC3906N℞	DIP-16	Linear lead acid battery charger	4.25	3.75

MAXIM RS-485/422 Transceiver

Part No.	Mfr. Part No.	Pkg.	Description	1	10
311837	MAX1480BEPI	DIP-28	RS-485/422 data interface, 5V	$19.95	$16.95

RS-422/423/485 Drivers/Receivers

★Web Code: NBT

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
299807	✦	LTC485CN8	DIP-8	RS-485 LP xcvr, 5V	$1.75	$1.49	$1.25
276576	MAX	MAX490CPA	DIP-8	RS-485/422 LP xcvr, 12V	1.95	1.35	1.25
244195	✦	MAX1487CPA	DIP-8	RS-485/422 LP xcvr, 12V	2.25	1.75	1.55
39571	✦	26LS30	DIP-16	RS-422/423 line driver, 5V	2.49	2.25	1.95
39589	✦	26LS31	DIP-16	RS-422 quad diff. line driver, 5V	.39	.25	.22
39600	✦	26LS32	DIP-16	RS-422/423 quad diff. line rcvr, 5V	.59	.49	.45
25232	✦	MC3486P	DIP-16	RS-422/423 quad diff. line rcvr, 5V	.25	.15	.12
25259	✦	MC3487P	DIP-16	RS-422/423 quad line driver, 5V	.29	.25	.22
144039	NSC	DS3695N	DIP-8	Multipoint RS-422/423 xcvr, 5V	.99	.89	.79
50948	✦	SN75174N	DIP-16	RS-422 quad diff. line driver w/ 3 st.	.89	.79	.69
50956	✦	SN75175N	DIP-16	RS-422/423 quad diff. line rcvr, 5V	.89	.79	.69
758364	TI	SN75176AP℞	DIP-8	RS-422 differential bus xcvr	.65	.55	.45
891149	NSC	DS75176BN	DIP-8	Multipoint RS-485/422 xcvr	1.49	1.25	1.15
50964	✦	SN75176BN	DIP-8	RS-422 diff. line bus xcvr, 5V	.59	.49	.45

★65LVDS Series Available Online — Enter Web Code UEU

RS-232 Drivers/Receivers

★Web Code: EAV

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
142535	✦	MAX202CPE	DIP-16	5V, 120kbps, w/ 0.1µF ext. caps	$2.49	$2.05	$1.95
244232	✦	MAX202CSE	SOIC-16	5V, 120kbps, w/ 0.1µF ext. caps	2.25	1.95	1.75
244241	✦	MAX202EPE	DIP-16	5V, 120kbps, w/ 0.1µF ext. caps	2.95	2.49	2.25
282790	MAX	MAX211CAI	SSOP-28	5V, w/ 0.1µF ext. caps.	2.95	2.75	2.49
875448	INS	HIN232CP	DIP-16	5V hi spd RS-232 transmitter/rcvr	.89	.79	.69
24811	✦	MAX232CPE*	DIP-16	5V, 200kbps, multichannel	1.85	1.65	1.25
24812	MAX	MAX232CPE℞	DIP-16	5V, 200kbps, multichannel	1.95	1.75	1.35
318959	MAX	MAX232CPE	DIP-16	5V, 200kbps, multichannel	2.25	1.95	1.75
318960	MAX	MAX232CPE℞	DIP-16	5V, 200kbps, multichannel	2.49	2.15	1.95
106147	✦	MAX232CWE	SOIC-16	5V, 120kbps, multichannel	2.49	2.15	1.95
256401	✦	MAX232DR℞	SOIC-16	5V, 120kbps, dual driver/rcvr	.69	.59	.49
882293	MAX	MAX232ECPE	DIP-16	5V, RS-232 xcrv,±15kV ESD	3.75	3.09	2.95
106155	✦	MAX232EPE	DIP-16	5V, 120kbps, multichannel	3.95	3.15	2.79
106156	✦	MAX232EPE℞	DIP-16	5V, 120kbps, multichannel	2.95	2.49	2.25
903277	TI	MAX232IN℞	DIP-16	Dual EIA-232 driver/receiver, I-temp	.75	.65	.55
698576	TI	MAX232N℞	DIP-16	Dual EIA-232 driver/receiver, C-temp	.75	.65	.55
106163	✦	MAX233CPP	DIP-20	5V, 120kbps, multichannel	5.75	4.75	4.25
106171	✦	MAX235CPG	DIP-24	5V, 120kbps, multichannel	10.95	9.95	7.95
106180	✦	MAX238CNG	DIP-24	5V, 120kbps, multichannel	5.49	4.95	4.25
828043	TI	MC1488N℞	DIP-14	Quad line driver	.39	.35	.29
23157	✦	DS1488N*	DIP-14	15V, quad line driver	.35	.29	.25
16379	✦	DS14C89N	DIP-14	5V, quad line rcvr	1.19	1.09	.95
698613	TI	MAX3232CD℞	SOIC-16	3-5.5V multich RS-232 line drvr/rcvr, ±15kV ESD	1.25	1.15	1.05
235301	✦	DS14C232CN	DIP-16	5V, LP, TIA/EIA dual driver/rcvr	2.49	2.25	1.95
23181	✦	SN75189N*	DIP-14	5V, quad line rcvr	.35	.29	.25
25099	✦	MC145406P	DIP-16	5-12V, EIA-232-D/V.28 driver/rcvr	2.25	1.95	1.75
929207	ON	MC100EP17DWG℞	SOIC-20	Quad differential driver/rcvr	15.95	13.95	11.95
252128	✦	MAX3221CAE	SSOP-16	3-5.5V, 120kbps, auto shutdown	1.95	1.49	1.25
276859	✦	MAX3232CDR	SOIC-16	3-5.5V, 1Mbps, ±15kV ESD protected	1.25	.85	.75
276867	✦	MAX3232CSE	SOIC-16	3-5.5V, 1Mbps, ±15kV ESD protected	1.49	1.25	1.15

*10 pcs. in Linear series IC cabinet kit, pg 16

MAXIM DC-DC Controller

★Web Code: VFL

Part No.	Mfr. Part No.	Pkg.	Description	1	10
806856	MAX1771ESA+℞	SOIC-8	12V or adj, hi-eff, step up DC-DC contr, I-temp.	$4.95	$3.49

Comparators

★Web Code: EBS

✳ Order in multiples of 10

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
311044	NSC	LM111J-8	DIP-8	Voltage comparator	$7.95	$6.95	$6.25
282087	✦	LM139J	CDIP-14	Low pwr, low offset volt quad	1.75	1.55	1.35
302391	✦	LM211D	SOIC-8	Hi-speed, strobed diff. comparator	.25	.19	.15
23528	✦	LM311N*	DIP-8	Voltage comparator	.25	.22	.19
902522	TI	LM311DR℞	SOIC-8	Differential comp. w/ strobes	✳	.12	.09
837812	NSC	LM311N/NOPB℞	DIP-8	Voltage comparator	.89	.69	.49
143888	✦	LM339AN℞	DIP-14	Low power quad comparator	.25	.19	.15
826742	TI	LM339N℞	DIP-14	Quad differential comparator	.35	.29	.25
23851	✦	LM339N**	DIP-14	Quad comparator	.25	.19	.17
193594	✦	LM339M	SOIC-14	Low pwr low offset volt quad	.25	.17	.15
120900	✦	LM392N	DIP-8	Low power op amp./volt comp.	1.09	.99	.89
24281	✦	LM393N*	DIP-8	Dual comparator	.25	.19	.17
903007	TI	LM393P℞	DIP-8	Dual differential comp., C-temp	.35	.29	.25
212177	✦	LM393AN℞	DIP-8	Low pwr low offset volt quad comp	✳	.19	.15
297844	MAX	MAX902CSD	SOIC-14	Hi-speed low pwr precision volt comp	7.95	5.95	4.95
312266	LTC	LT1016CS8	SOIC-8	Ultra-fast precision 10ns comparator	2.95	1.95	1.75
107238	✦	LM3302N	DIP-14	Low pwr low offset volt quad	.45	.35	.29
1944741	ST	TS3721IN	DIP-8	LP dual CMOS volt (I-temp)	.39	.35	.25
277173	NSC	LMC7211AIM	SOIC-8	Comp w/ rail-to-rail input, push pull output	.99	.79	.69
277190	NSC	LMC7211BIM	SOIC-8	Comp w/ rail-to-rail input, push pull output	.99	.79	.69

*10 pcs./**20 pcs. included in Linear kit, pg 16

★IEEE-1394 Available Online — Enter Web Code KEN

* HOL = Holtek | INS = Intersil | LTC = Linear Technology | MAX = Maxim Semi | MOT = Motorola | NSC = National Semi | ON = ON Semi | ST = ST Micro | TI = Texas Instruments | ✦ Manufacturer Varies

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Amplifiers, A/D and D/A Converters & Op Amps

3 LEVELS OF SAVINGS: NAME BRANDS | HOUSE BRANDS | FACTORY OVERRUN

Audio Amps

★Web Code: MBP

Part No.	*Mfr.	Product No.	Pkg./Pins	Description	1	10	100
243678	ADI	OP275GP	DIP-8	Dual JFET audio op amp.	$2.25	$1.85	$1.49
24037	NSC	LM380N	DIP-14	2-watt, power amp.	1.39	1.09	.75
24088	NSC	LM383T	TO-220/5	7-watt, high power	5.95	5.49	4.95
24096	NSC	LM384N	DIP-14	5-watt audio amp.	1.59	1.29	.95
839586	NSC	LM384N/NOPB ♻	DIP-14	5-watt audio power amp.	1.69	1.39	1.05
24125	NSC	LM386N-1*	DIP-8	Low voltage, 250mW/6V	.79	.59	.45
24126	NSC	LM386N-1 ♻	DIP-8	Low voltage, 250mW/6V	.65	.49	.41
839826	NSC	LM386N-1/NOPB ♻	DIP-8	Low voltage audio power amp.	.99	.79	.55
24133	NSC	LM386N-3*	DIP-8	Low voltage, 500mW/9V	.69	.59	.49
24483	NSC	LM725CN	DIP-8	Instrumentation op amplifier	1.95	1.25	.95
295718	NSC	LM1203N	DIP-28	RGB video amp.	5.95	5.49	4.95
24942	ON	MC1350P	DIP-8	Video IF amp. (12V operation)	2.95	2.75	2.49
23270	NSC	LM1875T	TO-220/5	20-watt audio power amp.	2.95	2.49	1.95
835753	NSC	LM1875T/LB03	TO-220/5	20-watt audio power amp	2.49	2.25	1.85
23288	NSC	LM1877N-9	DIP-14	Dual power audio amplifier	1.95	1.75	1.49
107140	NSC	LM1881N	DIP-8	Video synchronous separator	2.49	2.25	1.59
32897	ST	TDA2002V	TO-220/5	8-watt audio high power amp.	4.95	4.49	3.95
1416999	ST	TDA2030V ♻	PWAT-5	14-watt hi-fi audio amp.	3.75	3.25	2.59
315344	ST	TDA2040V	PWAT-5	20-watt hi-fi power	2.25	1.95	1.75
275830	TI	OPA2134PA ♻	DIP-8	High performance audio op amp.	2.15	2.05	1.95
275821	ADI	OPA2134UA ♻	SOIC-8	High-performance audio op amp.	1.95	1.69	1.45
312063	ADI	SSM2141P	DIP-8	High common-mode rejection diff. line rec	2.95	2.15	1.95
126834	NSC	LM3876T ✪	TO-220/11	40W high perf. audio amp w/ mute	3.95	3.49	3.25
320670	NSC	LM3886TF	TO-220/11	68-watt high perf., isol. pkg.	5.95	4.95	4.25
192516	NSC	LM3886T	TO-220/11	68-watt high perf.	5.95	4.95	3.95
302201	NSC	LM4752T	TO-220/7	Stereo 11-watt audio power amp.	2.95	2.75	2.49
316873	MOT	MC34119D	SOIC-8	LP audio amp. (500mW, 16VDC)	1.19	1.09	.89
316865	MOT	MC34119P	DIP-8	LP audio amp. (500mW, 16VDC)	2.25	2.05	1.85

*10 pieces included in Linear kit, pg 16 ✪ Blue Part No. = Limited Quantity Available

★Instrumentation Amps Available Online — Enter Web Code NDA

ANALOG DEVICES Amplifiers

Part No.	Mfr.	Part No.	Pkg.	Description	1	10	100
1805943	ADI	XL213AE ♻	LCC-8	5V, low cost ±2g dual-axis accelerometer	$16.95	$15.95	$14.95
1778068	AD	524AD	CDIP-16	Precision instrumentation amp	19.95	19.49	18.95
1780862	AD	620ANZ ♻	DIP-8	Low cost, LP instrumentation amp	6.55	5.35	5.25
1781021	AD	624AD	CDIP-16	Precision instrumentation amp	23.95	23.49	22.95
1781136	AD	627AR	SOIC-8	Low cost, instrumentation amp	4.95	3.95	3.49
311132	AD	811AN	DIP-8	High performance, video op amp	7.49	6.25	5.75

A/D & D/A Converters

★Web Code: QAG

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
277149	MAX	MAX110ACWE	SOIC-16	A/D, 14-bit, 5V, 50sps, 2-ch	$9.95	$8.75	$8.25
277131	MAX	MAX110BCPE	DIP-16	A/D, 14-bit, 5V, 50sps, 2-ch	12.95	9.95	9.49
277122	MAX	MAX110BCWE	SOIC-16	A/D, 14-bit, 5V, 50sps, 2-ch	8.95	6.75	6.25
277165	MAX	MAX186BCPP	DIP-20	A/D, 12-bit, 5V, 6µs, 8-ch	27.95	25.95	22.95
277069	MAX	MAX197BCNI	DIP-28	A/D, 12-bit, 5V, 10Ksps, 8-ch	19.95	13.95	11.95
289545	TI	TLC540IDW	SOIC-20	A/D, 8-bit, 5V, 75Ksps	3.49	2.95	2.49
289553	TI	TLC540IFN	PLCC-20	A/D, 8-bit, 5V, 75Ksps	3.49	2.95	2.49
289596	TI	TLC541IDW	SOIC-20	A/D, 8-bit, 5V, 40Ksps	2.95	2.49	1.95
289705	TI	TLC542IFN	PLCC-20	A/D, 8-bit, 5V, 25Ksps	1.95	1.75	1.49
289713	TI	TLC545CN	DIP-28	A/D, 8-bit, 5V, 76Ksps	4.95	4.25	3.95
287312	ADI	AD676JD	DIP-28	A/D, 16-bit, 5 ±12V, 100Ksps, 1-ch.	59.95	49.95	44.95
10145	NSC	ADC0803LCN	DIP-20	A/D, 8-bit, 5V, 9.1Ksps, 1-ch	3.95	3.25	2.95
10153	NSC	ADC0804LCN	DIP-20	A/D, 8-bit, 5V, 9.1Ksps, 1-ch	2.75	2.25	1.85
828342	NSC	ADC0804LCN/NOPB ♻	DIP-20	A/D, 8-bit µP compatible (±1LSB)	2.95	2.35	2.05
10170	NSC	ADC0808CCN	DIP-28	A/D, 8-bit, 5V, 9.1Ksps, 8-ch	4.75	3.95	3.39
10188	NSC	ADC0809CCN	DIP-28	A/D, 8-bit, 5V, 9.1Ksps, 8-ch	2.59	2.39	2.25
831031	NSC	ADC0816CCN	DIP-40	A/D, 8-bit, µP comp. ADC w/ 16-ch	11.95	10.25	9.25
10209	NSC	ADC0817CCN	DIP-40	A/D, 8-bit, 5V, 9.1Ksps, 16-ch	4.95	3.95	3.49
10225	NSC	ADC0820CCN	DIP-20	A/D, 8-bit, 5V, 1.5µs	3.49	3.15	2.49
831066	NSC	ADC0820CCN/NOPB ♻	DIP-20	A/D, 8-bit hi-spd µP, w/ track/hold	3.65	3.25	2.65

A/D & D/A Converters (Continued)

★Web Code: QAG

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
116100	NSC	ADC0831CCN	DIP-8	A/D, 8-bit, 5V, 32µs	$1.75	$1.55	$1.35
831171	NSC	ADC0831CCN/NOPB ♻	DIP-8	A/D, 8-bit, 5V, 32µs	2.49	2.09	1.69
1252488	NSC	ADC0838CCN/NOPB ♻	DIP-20	A/D, 8-bit serial, 5V, 32µs	2.75	2.25	1.75
290538	TI	TLC0832CD	SOIC-8	A/D, 8-bit, 3V, 32µs	2.49	2.25	1.75
288681	TI	THS1030IDW	SOIC-28	A/D, 10-bit, 3-5.5V, 30Msps	5.95	4.95	4.49
288729	TI	THS1031IPW	TSSOP-28	A/D, 10-bit, 3-5.5V, 30Msps	6.95	5.49	5.25
1748897	LTC	LTC1403AIMSE-1 ♻	MSOP-10	A/D, 14-bit, 2.8Msps samp ADC	14.95	12.95	10.95
289001	TI	TLC1541CDW	SOP-20	A/D, 10-bit, 5V, 32Ksps	4.95	4.25	3.95
289019	TI	TLC1541CN	DIP-20	A/D, 10-bit, 5V, 32Ksps	4.95	4.49	4.25
289078	TI	TLC1542CDW	SOP-20	A/D, 10-bit, 5V, 26µs, 11-ch	3.95	2.75	2.49
289107	TI	TLC1542CN	DIP-20	A/D, 10-bit, 5V, 26µs, 11-ch	3.95	3.49	3.25
289271	TI	TLC1543QDB	SSOP-20	A/D, 10-bit, 6.5V, 5V, 26µs, 11-ch	3.95	3.49	2.95
289300	TI	TLC1543QDW	SOIC-20	A/D, 10-bit, 6.5V, 5V, 26µs, 11-ch	3.95	3.49	2.95
288593	TI	PCM1800E	SSOP-24	A/D, 20-bit, 5V, 32-48KHz, 2-ch	3.49	3.25	2.95
288622	TI	PCM1801U	SOIC-14	A/D, 20-bit, 5V, 32-48KHz, 2-ch	3.95	3.49	3.25
289422	TI	TLC2543CDW	SOIC-20	A/D, 12-bit, 5V, 10µs, 11-ch	6.95	5.95	5.25
289473	TI	TLC2543CDB	SSOP-20	A/D, 12-bit, 5V, 10µs, 11-ch	6.95	5.95	5.25
290634	TI	TLV2543CDW	SOIC-20	A/D, 12-bit, 3.3V, 10µs, 11-ch	7.95	5.95	4.95
290669	TI	TLV2543CN	DIP-20	A/D, 12-bit, 3.3V, 10µs, 11-ch	7.95	5.95	4.95
288016	MCH	MCP3302-CI/SL	SOIC-14	A/D, 13-bit, 2.7-5.5V, 50-100Ksps, 2-ch	2.95	2.49	2.25
288024	MCH	MCP3302-CI/ST	TSSOP-14	A/D, 13-bit, 2.7-5.5V, 50-100Ksps, 2-ch	2.49	2.35	2.15
43748	✦	7106CPL	DIP-40	A/D, 3 1/2-digit LCD/LED, 9V	2.25	1.95	1.75
43756	✦	7107CPL	DIP-40	A/D, 3 1/2-digit LCD/LED, ±5V	2.49	2.25	1.95
875683	INS	ICL7107CPL	DIP-40	A/D, 3 1/2-digit LCD/LED, 6V	2.95	2.75	2.59
43764	✦	7109CPL	DIP-40	A/D, 12-bit, 5V, 30sps, 1-ch	3.95	2.25	1.95
290263	INS	ICL7135CPI ✪	DIP-28	A/D, 4 1/2-digit BCD output, 5V	2.95	2.75	2.45
1795108	ADI	AD9240ASZ ♻	MQFP-44	A/D, 14-bit, flash method, parallel	29.95	26.95	24.95
115158	ADI	AD558JN	DIP-16	D/A, 8-bit, 5-15V, 1-5-3µs, 1-ch	12.95	11.75	10.49
1944581	SAM	KDA0408	DIP-42	D/A, 8-bit, 5V, 60Msps, triple	.49	.39	.35
14904	NSC	DAC0800LCN	DIP-16	D/A, 8-bit, 4.5-18V, 150ns	1.49	1.19	.89
14947	NSC	DAC0808LCN	DIP-16	D/A, 8-bit, 4.5-18V, 150ns	1.65	1.25	.95
14963	NSC	DAC0830LCN	DIP-20	D/A, 8-bit, 5-15V, 1µs	4.95	4.25	3.49
128186	NSC	DAC0832LCN	DIP-20	D/A, 8-bit, 5-15V, 1µs	2.95	2.49	1.95
290781	TI	TLV5604ID	SOIC-16	D/A, 10-bit, 2.7-5.5V, 20MHz, 4-ch	5.95	4.75	4.49
290790	TI	TLV5604IPW	TSSOP-16	D/A, 10-bit, 2.7-5.5V, 20MHz, 4-ch	5.95	4.75	4.49
290853	TI	TLV5613IPW	TSSOP-20	D/A, 12-bit, 2.7-5.5V, 3-7µs, 1-ch	5.95	4.95	3.75
290933	TI	TLV5614CPW	TSSOP-16	D/A, 12-bit, 2.7-5.5V, 5.5-2.0µs, 4-ch	10.95	9.95	8.95
296690	ADI	AD7226KN	DIP-20	D/A, 8-bit, 2-12.5V, 4µs, 4-ch	15.95	13.95	11.95
1783887	ADI	AD7398BRUZ ♻	TSSOP-16	D/A, 12-bit, quad serial In	15.95	13.95	11.95
290052	TI	TLC7524CN	DIP-16	D/A, 8-bit, 5-15V, 100ns	2.75	2.49	1.95
287380	ADI	AD9760AR	SOIC-28	D/A, 10-bit, 3-5V, 125Msps	5.95	3.95	2.95
287443	ADI	AD9832BRU	TSSOP-16	Direct digital syn., 3-5V, 25MHz	5.95	4.49	3.95

✪ Blue Part No. = Limited Quantity Available

Op Amps

★Web Code: WAD

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
27852	✦	OP07CP	DIP-8	Ultra-low offset voltage	$.75	$.65	$.55
252988	✦	OP07DP	DIP-8	Very low offset single bipolar	.69	.59	.49
23106	✦	LM10CLN	DIP-8	Low voltage (1.1 volt)	2.75	2.49	1.75
120715	✦	LM10CN	DIP-8	Op amp and voltage reference	2.49	2.15	1.55
1062114	TI	TL026CP	DIP-8	Diff. high-freq. amp. w/ AGC	.49	.39	.25
1807439	ADI	OP27AZ/883C	DIP-8	Low noise precision op amp	34.95	29.95	27.95
275805	TI	OPA27GP	DIP-8	Ultra-low noise precision	2.19	2.05	1.95
275784	TI	OPA27GU	SOIC-8	Ultra-low noise precision	2.05	1.75	1.59
115300	✦	OP27EP	DIP-8	Low noise precision op amp	3.95	3.49	3.25
115318	✦	OP27GP	DIP-8	Low noise prec. (-40˚ to 80˚C)	2.49	1.95	1.59
1944812	ST	TL27L2IN	DIP-8	Prec. very low pwr CMOS dual	.49	.39	.25
253059	✦	TL032CD	SOIC-8	Enhanced JFET low power/offset	.69	.59	.49
214068	✦	TL034CN ♻	DIP-14	Enhanced low power/offset	.89	.79	.75
821676	TI	TL051IP	DIP-8	Enhanced JFET low offset	.39	.35	.25
33187	✦	TL071CP	DIP-8	Low noise JFET op amp.	.29	.25	.22
213073	✦	TL072ACP ♻	DIP-8	Low noise JFET input op amp	.59	.49	.39
33195	✦	TL072CP*	DIP-8	Low noise JFET dual op amp.	.25	.22	.19

*10 pcs. included in Linear cabinet kit, pg 16

Continued on next page

* ADI = Analog Devices | INS = Intersil | LTC = Linear Tech | MAX = Maxim | MCH = Microchip | MOT = Motorola | NSC = National Semi | ON = ON Semi | SAM = Samsung | ST = ST Micro | TI = Texas Instruments | ✦ Mfr. Varies

♻ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

National Semiconductor | ON | Texas Instruments | ST | Microchip | intersil | MAXIM | SAMSUNG | Analog Devices | calogic

Op Amps (Continued)

★Web Code: WAD

✳ Order in multiples of 10

Part No.	*Mfr.	Product No.	Pkg./Pins	Description	1	10	100
213129	✦	TL052ACP	DIP-8	Enh. JFET low offset op amp	$1.25	$.95	$.85
33216	✦	TL074CN*	DIP-14	Low noise JFET quad op amp.	.39	.35	.29
1063935	TI	TL074CDE4ℛ	SOIC-14	Low noise JFET input op amp	.25	.19	.15
278328	TI	TLC074CN	DIP-14	Wide-band, high-output drive	1.75	1.49	1.15
213057	✦	TL081ACP	DIP-8	JFET input, low offset w/ control	.59	.49	.39
33232	✦	TL081CP	DIP-8	JFET input, offset control	.35	.29	.25
214076	✦	TL082ACP	DIP-8	JFET input, low offset	.35	.29	.25
253198	✦	TL082BCPℛ	DIP-8	JFET input op amp., lowest offset	.49	.39	.35
33241	✦	TL082CP*	DIP-8	JFET input dual op amp.	.35	.29	.25
760034	TI	TL082CDRℛ	SOIC-8	JFET input op amp	.25	.19	.15
214084	✦	TL084ACN	DIP-14	JFET input op amp.	.45	.39	.35
193535	✦	TL084CD	SOIC-14	JFET input quad op amp.	.29	.25	.22
33267	✦	TL084CN*	DIP-14	JFET input quad op amp.	.29	.25	.22
242000	✦	TLC274ACN✪	DIP-14	Quad precision op amp, low offset	.59	.49	.45
312784	✦	TLC277CD	SOIC-8	LinCMOS prec. dual op amp, low offset	1.49	1.25	.99
245665	✦	LM301AH	TO-5/8	Operational amplifier	2.15	1.83	1.73
212151	✦	LM301AN	DIP-8	Operational amplifier	.39	.35	.29
245673	✦	LM308AH	TO-5/8	Precision op amplifier	4.95	4.49	3.95
23464	✦	LM308N*	DIP-8	Precision op amplifier	6.95	6.25	5.49
23608	NSC	LM318N	DIP-8	Precision high speed	.89	.79	.69
212169	✦	LM324AN	DIP-14	Low power quad, impr. offset	.35	.29	.25
838233	NSC	LM324AN/NOPBℛ	DIP-14	Low power quad op amp	1.19	.99	.69
86721	✦	LM324D	SOIC-14	Low power quad op amplifier	✳	.12	.09
23683	✦	LM324N**	DIP-14	Low power quad op amp	.29	.25	.19
826671	TI	LM324NE4ℛ	DIP-14	Quad op amp	.29	.25	.22
838284	NSC	LM324N/NOPBℛ	DIP-14	Low power quad op amp	.89	.79	.59
22904	✦	LF347N	DIP-14	Quad JFET input (wide band)	.49	.45	.35
23915	✦	LM348N	DIP-14	Quad 741 op amp (UPC4741C)	.35	.29	.25
22912	✦	LF351N	DIP-8	BIFET op amplifier	.39	.35	.29
901811	TI	LF353DRℛ	SOIC-8	JFET input dual op amp	.25	.15	.12
22939	✦	LF353N*	DIP-8	Dual BIFET (comp w/ TL082CP)	.35	.29	.25
901853	TI	LF353Pℛ	DIP-8	JFET input dual, C-temp	.45	.35	.29
22971	NSC	LF356N*	DIP-8	JFET input (wide band)	.99	.79	.59
833889	NSC	LF356N/NOPBℛ	DIP-8	JFET input (wide band)	.79	.69	.49
22998	✦	LF357N	DIP-8	JFET input (wide band)	2.95	2.75	2.49
120862	✦	LM358AN	DIP-8	Low power dual (improved 358N)	.25	.22	.19
839332	NSC	LM358AN/NOPBℛ	DIP-8	Low power dual op amp	.99	.79	.59
23966	✦	LM358N*	DIP-8	Low power dual op amplifier	.25	.22	.19
839367	NSC	LM358N/NOPBℛ	DIP-8	Low power dual op amp	.99	.79	.59
1944732	ST	LS404CN	DIP-14	High performance quad	.49	.39	.25
23018	✦	LF411CN*	DIP-8	Low offset drift JFET input	.99	.89	.69
835500	NSC	LF411CN/NOPBℛ	DIP-8	Low-offset, low-drift JFET input	1.25	.99	.79
23026	✦	LF412CN*	DIP-8	Low offset drift JFET input dual	.69	.59	.49
193640	✦	LF412C	SOIC-8	Low offset drift JFET input dual	.49	.35	.25
106681	✦	LF442CN	DIP-8	Dual low power JFET input	1.25	1.05	.85
835542	NSC	LF442CN/NOPBℛ	DIP-8	Dual low power JFET input	1.49	1.29	.99
119992	✦	LF444CN	DIP-14	Quad low power JFET input	1.75	1.49	1.05
835569	NSC	LF444CN/NOPBℛ	DIP-14	Quad low power JFET input	1.85	1.59	1.09
276613	MAX	MAX474CSA	SOIC-8	Dual 10MHz single supply op amp	3.95	2.95	2.49
905977	TI	OPA551FAKTWTℛ	DDPAK-7	High volt. high current op amp	3.95	3.75	3.49
311239	MCH	MCP6S21-I/P	DIP-8	1-ch PGA low-gain sgle-ended rail-to-rail I/O	1.49	1.15	.95
311255	MCH	MCP6S22-I/P	DIP-8	2-ch PGA low-gain sgle-ended rail-to-rail I/O	1.59	1.39	1.19
313314	ADI	AD626AR	SOIC-8	Low-cost sgle supply diff amplifier	4.95	4.49	3.95
311221	MCH	MCP6S28-I/P	DIP-8	8-ch prog. low-gain sngl-ended rail-to-rail I/O	2.49	2.45	2.25
143976	✦	LMC660CN	DIP-14	CMOS quad operational amplifier	1.75	1.45	.95
120926	✦	LM675T	TO-220/5	Power op amplifier	5.49	4.75	3.95
24491	✦	LM733CN	DIP-14	Differential amplifier	1.09	.99	.89
24521	✦	LM741CH	TO-5/8	Op amplifier	4.95	4.49	3.95
24539	✦	LM741CN**	DIP-8	Op amplifier	.29	.25	.22
24540	✦	LM741CNℛ	DIP-8	Op amplifier	.25	.22	.19
840763	NSC	LM741CN/NOPBℛ	DIP-8	General purpose op amp	.79	.59	.45

*10 pcs./ **20 pcs. in Linear cabinet kit, pg 16 ✪ Blue Part No. = Limited Quantity Available

Op Amps (Continued)

★Web Code: WAD

✳ Order in multiples of 10

Part No.	*Mfr.	Product No.	Pkg./Pins	Description	1	10	100
830522	TI	UA741CPℛ	DIP-8	Gen. purp. op amp	$.29	$.25	$.22
830549	TI	UA741CPE4ℛ	DIP-8	Gen. purp. op amp	.29	.25	.22
24563	✦	LM747CN	DIP-14	Dual 741 op amplifier	.79	.69	.59
239222	✦	LTC1001CN8	DIP-8	Precision op amplifier	2.75	2.49	2.09
239169	✦	LT1013CP	DIP-8	Dual precision op amplifier	1.15	.95	.79
239177	✦	LT1014DN	DIP-14	Quad precision op amplifier	3.75	3.25	2.59
23131	✦	LM1458N*	DIP-8	Dual op amplifier	.35	.29	.25
903509	TI	MC1458Pℛ	DIP-8	Dual gen. purp. op amplifier	.39	.29	.25
310236	TI	TLE2022CDℛ	SOIC-8	Excal hi spd LP dual prec op amp	1.45	1.25	1.05
823525	TI	TLC2272AIPℛ	DIP-8	Advanced LinCMOS® rail-to-rail	1.19	1.09	1.05
1085819	TI	TLC2272CPℛ	DIP-8	Advanced LinCMOS® rail-to-rail	.99	.89	.79
761598	TI	TLV2381IDBVTℛ	SOT-23/5	µPwr rail-to-rail input & output op amp	1.25	1.05	.85
1944839	✦	TLV2772CP	DIP-8	Hi slew rate r-r output, w/ shutdown	.49	.39	.25
121005	✦	LM2904N	DIP-8	Low power dual op amplifier	.25	.19	.15
12116	✦	CA3080E	DIP-8	Op transconductance amp.	3.95	3.75	3.49
12183	✦	CA3130E	DIP-8	CMOS op amplifier	1.19	1.09	.89
12204	✦	CA3140E	DIP-8	Bi-MOS op amplifier	.99	.89	.79
24168	✦	LM3900N	DIP-14	Quad amplifier	.75	.65	.55
278150	TI	THS4032CD	SOIC-8	100MHz low noise hi-speed amp.	4.95	4.25	3.95
278176	TI	THS4082CD	SOIC-8	175MHz LP hi-speed amp.	3.95	3.59	3.25
29356	✦	RC4136N	DIP-14	Quad op amp. (XR4136)	.89	.79	.69
251125	✦	MC4558CN	DIP-8	Wide bandwidth dual bipolar	.29	.25	.22
908246	TI	RC4558DRℛ	SOIC-8	Dual gen. purp. op amp	✳	.12	.09
908289	TI	RC4558Pℛ	DIP-8	Dual gen. purp. op amp	.39	.35	.25
27385	✦	NE5532*	DIP-8	Dual low noise op amplifier	.29	.25	.22
903939	TI	NE5532ADRℛ	SOIC-8	Dual low noise op amp, C-temp	.25	.19	.15
252970	✦	NE5532AP	DIP-8	Dual lower noise op amp.	.65	.55	.45
27406	✦	NE5534	DIP-8	Low noise op amplifier	.65	.55	.45
904026	TI	NE5534APℛ	DIP-8	Low noise op amplifier	.95	.85	.69
302121	NSC	LM6132AIM	SOIC-8	Dual LP r-r in/out, 10MHz, lower VOS	2.95	2.05	1.75
302076	NSC	LM6134BIN	DIP-14	Quad LP r-r in/out, 10MHz	3.49	2.95	2.05
302068	NSC	LM6142AIM	SOIC-8	Dual r-r in/out, 17MHz	3.95	2.95	2.25
301989	NSC	LM6152ACM	SOIC-8	Dual r-r in/out, 75MHz GBW	3.49	2.95	2.49
301874	NSC	LM6181IN	DIP-8	100mA, 100MHz current feedback	2.95	2.49	1.95
301436	NSC	LMC6442IM	SOIC-8	Dual µpwr r-r output single supply	1.95	1.75	1.25
301364	NSC	LMC6442IN	DIP-8	Dual µpwr r-r output single supply	1.95	1.75	1.35
126906	NSC	LMC6462AIN	DIP-8	µpwr r-r I/O CMOS op amp., lower VOS	2.95	2.49	1.75
267223	NSC	LMC6482IN	DIP-8	CMOS dual r-r I/O op amp.	1.49	1.25	.85
126893	NSC	LMC6482AIN	DIP-8	CMOS dual r-r I/O, lower VOS	2.05	1.55	1.29
301356	NSC	LMC6484AIN	DIP-14	CMOS quad r-r I/O, lower VOS	3.49	2.75	2.09
301751	NSC	LM7171BIM	SOIC-8	Hi speed hi output current volt feedback	2.95	1.55	1.25
804682	MAX	ICL7621DCSA	SOIC-8	Dual low power op amp	1.95	1.49	1.25
1789816	ADI	AD8022ARMZℛ	MSOP-8	Dual hi speed low noise	3.95	3.75	3.35
192532	NSC	LM13700N	DIP-16	Dual op transcon. w/ diodes/buffer	1.75	1.49	1.19
192533	NSC	LM13700Nℛ	DIP-16	Dual op transcon. w/ diodes/buffer	1.85	1.59	1.29
1944775	ON	MC33174VP	DIP-14	Single supply 3V-44V op amp.	.49	.35	.25
871586	ON	MC33204P	DIP-14	Low voltage, rail-to-rail	.79	.59	.35
251061	ON	MC34072P	DIP-8	Single supply 3V-44V op amp.	.75	.65	.55

*10 pcs. in Linear cabinet kit, pg 16

Linear Series

★Web Code: FAD

Part No.	*Mfr.	Product No.	Pkg	Description	1	10	100
25751	✦	MF10CCN	DIP-20	Gen. purpose dual active filter	$4.49	$3.49	$2.59
16301	✦	DS0026CN	DIP-8	Dual MOS clk. driver (5MHz)	5.95	5.49	4.95
239281	✦	DG201BDJ	DIP-16	Quad analog switch	1.29	1.19	1.09
239329	✦	DG211CJ	DIP-16	SPST quad ch. analog switch	1.95	1.75	1.49
1341966	TI	L293DNEℛ	DIP-16	Quad half-H drivers, I-temp	2.39	2.15	1.59
1342011	TI	L293NEℛ	DIP-16	Quad half-H drivers, C-temp	2.39	2.15	1.59
1950876	CAL	CWB309	DIP-16	Quad mono CMOS/DMOS analog sw.	.99	.89	.59
23721	✦	LM331N	DIP-8	Prec volt to freq convtr (150ppm/°C)	2.25	1.75	1.39
838372	NSC	LM331N/NOPBℛ	DIP-8	Prec. volt-to-freq. convr., C-temp	2.39	1.89	1.49

Continued on next page

* ADI = Analog Devices | CAL = CALogic | MAX = Maxim Semiconductor | MCH = Microchip | NSC = National Semiconductor | ON = ON Semi | ST = ST Micro | TI = Texas Instruments | ✦ Manufacturer Varies

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Linear Series & Temperature Sensors

3 LEVELS OF SAVINGS: NAME BRANDS | HOUSE BRANDS | FACTORY OVERRUN

Linear Series (Continued)

★Web Code: FAD

Part No.	*Mfr.	Product No.	Pkg/Pins	Description	1	10	100
245446	MAX	MAX301CPE	DIP-16	Precision dual hi speed analog switch	$2.95	$2.25	$1.95
245456	MAX	MAX301CSE	SOIC-16	Precision dual hi speed analog switch	3.49	2.75	2.49
23739	NSC	LM334Z	TO-92/3	Adjust current source	.69	.59	.49
23771	NSC	LM336Z-2.5	TO-92/3	Voltage reference (2.5V)	.25	.22	.19
297676	NSC	LM336BZ-5.0	TO-92/3	5V voltage reference diode	.95	.85	.75
120889	✦	LM385BZ-2.5	TO-92/3	Volt. ref. diode (2.5V ±1.5%)	.39	.35	.29
24117	✦	LM385Z-1.2	TO-92/3	Micropwr volt. ref. diode (1.2V)	.49	.39	.29
23000	✦	LF398N	DIP-8	Sample and hold circuit	1.49	1.19	.89
833969	NSC	LF398N/NOPB℞	DIP-8	Monolithic sample & hold circuits	1.59	1.25	.95
309833	✦	DG403DJ	DIP-16	Dual SPDT & SPDT analog switch	2.95	2.75	2.49
272161	✦	DG407DJ	DIP-28	Dual 8-ch multiplexer/demux.	5.49	4.95	4.49
256532	✦	DG408DJ	DIP-16	1 of 8 multiplexer/demultiplexer	1.25	1.15	1.05
288243	ADI	ADG409BN	DIP-16	Dual 4-ch multiplexer/demultiplexer	3.49	3.25	2.95
243643	✦	DG411DJ	DIP-16	Quad SPST (NC) analog sw.	.99	.79	.69
256516	✦	DG412DJ	DIP-16	Quad SPST (NO) analog sw.	1.49	1.25	.85
674398	VSH	DG413DJ	DIP-16	Imprvd quad SPST (2NO&2NC) ana. sw.	3.95	3.75	3.49
279540	✦	DG419DJ	DIP-8	Dual SPST (NO/NC) analog switch	1.75	1.55	1.45
33347	✦	TL431CLP	TO-92/3	Program precision reference	.25	.15	.12
1798261	ADI	ADG451BRZ℞	SOIC-16	Analog switch	3.95	2.75	2.49
33355	✦	TL494CN	DIP-16	Contrl circuit pulse-width-modulated	.39	.29	.25
840579	NSC	LM555CM/NOPB℞	SOIC-8	Timer	1.19	.89	.65
27422	✦	LM555CN**	DIP-8	Timer (MC1455P/NE555V)	.25	.19	.17
27423	✦	LM555CN℞	DIP-8	Timer (MC1455P/NE555V)	.25	.22	.19
840608	NSC	LM555CN/NOPB℞	DIP-8	Timer	1.25	.85	.65
126797	✦	LMC555CN*	DIP-8	CMOS timer	.79	.69	.59
841571	NSC	LMC555CN/NOPB℞	DIP-8	CMOS timer	1.49	1.15	.85
904051	TI	NE555D℞	SOIC-8	Precision timer	.29	.25	.22
890091	ST	NE555N℞	DIP-8	Gen. purp. single bipolar timer	.29	.25	.22
904085	TI	NE555P℞	DIP-8	Precision timer	.35	.25	.22
761272	TI	TLC555CP℞	DIP-8	LinCMOS™ timer, C-temp	.55	.45	.35
761301	TI	TLC555IP℞	DIP-8	LinCMOS® timer	.65	.49	.39
24328	✦	LM556N*	DIP-14	Dual 555 timer	.29	.25	.22
24329	✦	LM556N℞	DIP-14	Dual 555 timer	.35	.29	.25
904114	TI	NE556N℞	DIP-14	Dual precision timer	.39	.29	.25
27457	ST	NE558N	DIP-16	Quad timer (NE558C)	1.49	1.35	1.19
27473	ST	NE564N	DIP-16	High freq. phase locked loop	2.75	2.49	2.25
24352	✦	LM565N	DIP-14	Phased locked loop	2.95	2.75	2.49
24395	✦	LM567CN	DIP-8	Tone decoder	.99	.89	.79
246650	NSC	LMC567CN	DIP-8	Tone decoder (CMOS)	1.49	1.25	.95
27490	ST	NE571N	DIP-16	Compander, subscriber	4.49	4.25	3.95
287785	ADI	AD581KH	TO-5/3	10V volt ref hi prec. 10mV tolerance	8.95	7.95	7.25
288155	ADI	AD584KN	DIP-8	Prog volt. ref. 11mV tol.	8.95	7.95	6.95
918436	INS	SA612AD/01℞	SOIC-8	Dbl balanced mixer & oscillator	1.95	1.49	1.25
115174	ADI	AD620AN	DIP-14	Low-cost instrument amp.	6.49	5.25	4.25
1798982	ADI	ADG623BRMZ℞	SOIC-10	Analog switch	1.95	1.75	1.49
1781312	ADI	AD633ANZR℞	DIP-8	Analog multiplier	7.45	6.25	5.95
115182	ADI	AD633JN	DIP-8	Low-cost analog multiplier	6.95	6.25	5.35
1783764	ADI	AD737JN	DIP-8	RMS to DC converter	5.25	4.75	4.49
316515	MCH	TC962CPA℞	DIP-8	High current charge pump DC-DC con.	1.95	1.75	1.49
239265	✦	LT1004CZ-2.5	TO-92	2.5V, micropower volt reference	.39	.35	.25
312258	MAX	MAX1044CPA	DIP-8	Switched capacitor volt converters	2.49	2.19	1.85
1742161	LTC	LTC1258CS8-2.5℞	MSOP-8	1.4A, 500kHz step down switch reg.	5.95	5.75	5.25
118578	✦	MC1495L	DIP-14	Linear 4 quadrant multiplier	9.95	8.95	7.95
23211	✦	LM1496N	DIP-14	Balanced mod/demodulator	.69	.59	.49
1944821	✦	P1803AC	TO-220	Balanced three-chip sidactor	1.49	1.25	.99
34278	✦	ULN2003A*	DIP-16	Hi-volt/curr. darl. transistor array	.25	.22	.19
193826	✦	ULN2003AD	SOIC-16	Hi-volt/curr. darl. transistor array	.45	.35	.29
1147178	TI	ULN2003AN℞	DIP-16	Hi-volt./curr. darlington trans. array	.49	.45	.35
34294	✦	ULN2004AN	DIP-16	Hi-volt/curr. darl. transistor array	.39	.35	.29
700630	TI	ULN2004AN℞	DIP-16	Hi-volt./curr. darlington trans. array	.49	.45	.35
34972	EXR	XR2206CP	DIP-16	Monolithic function generator	5.49	4.95	4.49
34999	✦	XR2211	DIP-14	FSK demodulator/tone decoder	1.95	1.75	1.49
280073	TI	TLE2426CLP	TO-92/3	Rail splitter prec. virtual ground	1.09	.99	.95
34315	✦	ULN2803A*	DIP-18	Hi-volt/curr. darl. transistor array	.45	.39	.35

*10 pcs./ **20 pcs. in Linear kit, right

★MUX/DEMUXs Available Online — Enter Web Code RAB

Linear Series (Continued)

★Web Code: FAD

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
34316	✦	ULN2803A℞	DIP-18	Hi-volt/curr. darl. transistor array	$.55	$.49	$.45
700648	TI	ULN2803ADW℞	SOIC-18	Darlington transistor array, I-temp	.65	.55	.49
700664	TI	ULN2803AN℞	DIP-18	Darlington transistor array, I-temp	1.15	.95	.85
890787	ST	ULN2804A℞	DIP-18	8 darlington array w/ common emitter	.55	.49	.45
123625	NSC	LM2907N-8	DIP-8	Frequency to volt converter	1.75	1.35	1.09
23317	NSC	LM2907N	DIP-14	Frequency to volt converter	1.75	1.45	1.05
23350	NSC	LM2917N-8	DIP-8	Freq. to volt conv. w/ zener	1.75	1.45	1.15
23341	NSC	LM2917N-14	DIP-14	Freq. to volt conv. w/ zener	1.75	1.45	1.25
12079	✦	CA3046N	DIP-14	NPN transistor array	.89	.79	.69
12159	✦	CA3086N	DIP-14	Transistor array NPN	1.95	1.75	1.49
1797605	ADI	ADG3123BRUZ℞	TSSOP-20	8-channel CMOS logic	4.95	4.25	3.55
31974	✦	SG3524N	DIP-16	Regulating pulse width modulator	.65	.55	.45
25275	✦	MC4044P	DIP-14	Frequency phase detector	6.95	5.95	5.25
29372	EXR	XR4151CP-F℞	DIP-8	Volt to frequency converter	1.75	1.55	1.35
698509	ST	M48Z02-150PC1℞	DIP-24	5V, 150ns, 16k zeropower™ SRAM	7.95	7.49	6.75
698445	ST	M48T12-150PC1℞	DIP-24	5V, 150ns, 16k timekeeper SRAM	13.95	12.95	11.95
1950868	CAL	CWB5341	DIP-14	Dual mono CMOS/DMOS analog sw.	.99	.89	.79
1944759	NXP	SAA6579	DIP-16	Radio data system demodulator	.39	.35	.25
312135	TI	TPS6735IP	DIP-8	Fixed neg 5V 200mA invert DC/DC con.	1.95	1.75	1.25
288163	ADI	AD7501KN	DIP-16	8 channel analog multiplexer	9.95	8.95	6.95
51140	✦	7555IPA	DIP-8	CMOS timer	.39	.35	.29
875712	INS	ICM7555IPA	DIP-8	Gen. purp timer, I-temp.	.45	.39	.35
51174	✦	7660CPA	DIP-8	CMOS volt convrtr (+5 to ±5V)	.75	.59	.49
316646	✦	ICL7662CPA	DIP-8	Volt convrtr., 20Vin, 4.5-20V out	2.75	2.25	2.15
1083476	TI	TL7712ACP	DIP-8	Supply voltage supervisor	.49	.39	.25
316531	MCH	TC9400COD℞	SOIC-14	Volt freq/freq volt converter	5.95	4.59	3.95
316540	MCH	TC9400CPD℞	DIP-14	Volt freq/freq volt converter	5.95	4.25	3.75
25021	ON	MC14411P	DIP-24	Bit rate frequency generator	4.95	4.49	4.25
25064	ON	MC14490P	DIP-16	Hex contact bounce eliminator	4.25	3.95	3.49
118586	ON	MC145151P	DIP-28	Parallel input PLL freq synthesizer	5.95	5.49	4.95
1054684	TI	SN754410NE℞	DIP-16	Quad half-H drivers	1.55	1.35	1.09

Linear IC Kit

SAVE $51

84988

10 each: TL072CP, TL074CN, TL082CP, TL084CN, MAX232CPE, LM301N, LM308N, LM311N, LM337T, LF353N, LF356N, LM358N, LM386N-1, LM386N-3, LM393N, LF411CN, LF412CN, LMC555CN, LM556N, LM723CN, LM1458N, DS1488N, DS1489N, ULN2003A, ULN2803A, NE5532N, 7808T, 78L12, 7815T, 7905T, 7912CT, 7915CT

20 each: LM317T, LM324N, LM339N, LM741CN, LM555CN, 7805T, 78L05, 7812T

Part No.	Description	Wt. (lbs.)	1	5
84988	480 pcs. (40 types) analog IC kit	6.0	$189.95	$169.95
130411	Refill for 84988 (480 pcs.)	1.3	174.95	159.95

Temperature Sensors

★Web Code: WAN

Part No.	*Mfr.	Product No.	Pkg/Pins	Description	1	10	100
107094	NSC	LM34CZ	TO-92/3	Prec temp sensor (-40˚ to +230˚F)	$4.95	$4.49	$4.25
193480	NSC	LM34DM	SOIC-8	Prec temp sensor (-55˚ to 300˚F)	1.95	1.49	1.19
155192	NSC	LM34DZ	TO-92/3	Prec temp sensor (+32˚ to +212˚F)	1.95	1.49	1.29
107107	NSC	LM35CZ	TO-92/3	Prec temp sensor (-40˚ to 110˚C)	4.75	3.75	2.95
192217	NSC	LM35DT	TO-220/3	Prec temp sensor (-55˚ to 150˚C)	2.49	1.95	1.55
155740	NSC	LM35DZ	TO-92/3	Prec temp sensor (0˚ to +100˚C)	1.49	1.19	.89
301604	NSC	LM74CIBP-5	µSMD-5	12-bit + sign digital temp sensor	1.95	1.75	1.25
301621	NSC	LM74CIM-3	SOIC-8	12-bit + sign digital temp sensor	1.49	1.25	.95
282028	NSC	LM135H	TO-46	Precision temperature sensor	6.95	5.95	5.49
120820	✦	LM335AZ℞	TO-92/3	Precision temp sensor	.69	.59	.55
23755	✦	LM335Z	TO-92/3	Volt mode temp sensor	.75	.59	.55
241939	ADI	AD590JH	TO-52/3	Two terminal IC temp transducer	6.95	6.25	5.25
1780571	ADI	AD592ANZ℞	TO-92/3	Two terminal IC temp transducer	4.75	3.85	3.25
313306	ADI	AD594AQ	DIP-14	Thermocple amp for iron-constantan	11.75	10.59	10.25
313293	ADI	AD595AQ	DIP-14	Thermocple amp for chromel-alumel	11.75	10.59	10.25
302551	DAL	DS18S20	TO-92/3	High-prec. 1-wire digital thermo	3.49	2.59	1.95

★Pressure Sensors Available Online — Enter Web Code JBV

* ADI = Analog Devices | CAL = Calogic | DAL = Dallas | EXR = EXAR Corp | LTC = Linear Tech | MAX = Maxim | NSC = National | NXP = NXP/Philip | ON = ON Semi | ST = ST Micro | TI = Texas Ins | VSH = Vishay | ✦ Mfr Varies

℞ RoHS compliant product ✦ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Hall Effect Sensor

★Web Code: REB

Part No.	Mfr. Part No.	Pkg.	Description	1	10	100
1718743	A1302EUA-Tℛ	SIP-3	Continuous-time ratiometric linear sensor	$.95	$.85	$.79

Digital Potentiometers

★Web Code: JBP

Part No.	Mfr. Part No.	Pkg.	Description	1	10	100
1778367	AD5282BRU200	TSSOP-16	Dual, 256 position, digital pot	$3.95	$3.49	$3.15
2044373	MAX5402EUAℛ	8uMAX	256-Tap, uPot, low drift	2.55	2.45	2.35
241744	MCP41010-I/Pℛ	DIP-8	10kΩ, 256 steps, SPI digital pot	1.75	1.65	1.55
241752	MCP42010-I/Pℛ	DIP-14	10kΩ, 256 steps, 2-ch SPI digital pot	2.09	1.95	1.59
1792767	AD840ZARZ1ℛ	SOIC-14	Dual, 256 position, digital pot	2.75	2.49	2.35

Voltage Regulators

★Web Code: TAC

Part No.	*Mfr.	Product No.	Pkg./Pins	Description	1	10	100
23499	✦	LM309K	TO-3/2	5V, 1A (0˚C to +125˚C)	$5.95	$5.49	$4.95
192268	NSC	LM317AT	TO-220/3	3-terminal adj. (1.2V-37V)	1.49	1.25	.89
837898	NSC	LM317AT/NOPBℛ	TO-220/3	3-term. 1.5A output adj pos, I-temp	1.55	1.35	.95
898359	NSC	LM317EMP	SOT-223/4	3-term 1A output adj pos C-temp	.69	.55	.45
192276	NSC	LM317HVT	TO-220/3	3-terminal adj. (1.2V-57V)	2.25	1.75	1.35
837927	NSC	LM317HVT/NOPBℛ	TO-220/3	3-term. 1A output adj pos, C-temp	2.49	1.95	1.45
23544	✦	LM317K	TO-3/2	1.5A adj. pos. (1.2V-37V)	2.49	2.25	1.79
23552	✦	LM317LZ	TO-92/3	100mA adj. pos. (1.2V-37V)	.29	.25	.22
898543	NSC	LM317LZ/NOPBℛ	TO-92/3	Adjustable, 100mA positive	.49	.39	.35
23579	✦	LM317T**	TO-220/3	1.5A adj. pos. (1.2V-37V)	.29	.25	.22
23580	✦	LM317Tℛ	TO-220/3	1.5A adj. pos. (1.2V-37V)	.35	.29	.25
898800	NSC	LM317T/NOPBℛ	TO-220/3	Adjustable, 1.5A positive	1.25	1.05	.85
23667	✦	LM323K	TO-3/2	5V 3A positive	3.95	3.75	3.49
23798	✦	LM337K	TO-3/2	1.5A/3 term adj. neg. reg.	3.49	3.25	2.75
296841	✦	LM337LZ	TO-92/3	3-terminal adj. neg.	.79	.59	.45
23819	✦	LM337T*	TO-220/3	1.5A/adj. neg. (-1.2V-37V)	.45	.35	.29
899520	NSC	LM337T/NOPBℛ	TO-220/3	1.5A adjustable negative	1.75	1.39	1.05
23835	✦	LM338K	TO-3/2	5A adj. pos. (1.2V-32V)	5.95	5.49	4.95
192284	NSC	LM338T	TO-220/3	5A adjustable	1.95	1.49	1.25
838621	NSC	LM338T/NOPBℛ	TO-220/3	5A adjustable positive	2.25	1.75	1.35
900017	NSC	LM340T-5.0	TO-220/3	5V, 1A positive, I-temp	1.25	1.05	.85
23931	✦	LM350K	TO-3/2	3A/3 term. adj. pos. (1.2V-33V)	5.49	4.95	3.95
23940	✦	LM350T	TO-220/3	3A adjustable power	.69	.59	.49
276517	MAX	MAX637ACSA	SOIC-8	Preset/adj output CMOS invert switch reg	4.95	4.49	2.95
24467	✦	LM723CN*	DIP-14	Voltage regulator (2V-37V)	.35	.29	.25
301719	✦	LM723H	TO-5/10	2V - 37V, 150mA adj.	4.49	3.95	3.75
298071	MAX	MAX755CSA	SOIC-8	-5V/adj. output. invert current mode PWM reg	2.95	2.49	1.49
107166	NSC	LM2936Z-5.0	TO-92/3	Ultra-low quiescent current 5V	2.25	1.75	1.39
51246	✦	7805K	TO-3/2	5V 1A pos. (LM340K-5)	1.95	1.75	1.49
51262	✦	7805T**	TO-220/3	5V 1A pos. (LM340T-5)	.29	.25	.19
51263	✦	7805Tℛ	TO-220/3	5V 1A pos. (LM340T-5)	.29	.25	.22
924570	ST	L7805ACVℛ	TO-220/3	5V, 1.5A pos.	.29	.25	.22
924609	ST	L7805CTℛ	TO-3/2	5V, 1.5A pos.	2.95	2.75	2.49
924633	ST	L7805CVℛ	TO-220/3	5V, 1.5A pos.	.45	.35	.29
902071	NSC	LM7805CT	TO-220/3	5V, 1A positive	1.09	.99	.89
786138	FSC	LM7805CTℛ	TO-220/3	5V, 1A pos., I-temp	.35	.29	.25
797267	ON	MC7805ACTGℛ	TO-220/3	5V, 1A pos., C-temp	.39	.35	.29
876125	ON	MC7805BTGℛ	TO-220/3	5V, 1A pos., I-temp	.35	.29	.25
876221	ON	MC7805CT	TO-220/3	5V, 1A pos., C-temp	.35	.29	.25
876248	ON	MC7805CTGℛ	TO-220/3	5V, 1A pos., C-temp	.35	.29	.25
51182	✦	78L05**	TO-92/3	5V 100mA pos.	.25	.19	.17
51183	✦	78L05ℛ	TO-92/3	5V 100mA pos.	.25	.22	.19
889428	ST	L78L05ACZℛ	TO-92/3	5V, 100mA pos.	.29	.25	.22
902291	NSC	LM78L05ACZ	TO-92/3	5V, 100mA positive	.59	.45	.35
973831	FSC	LM78L05ACZℛ	TO-92/3	5V, 100mA pos., I-temp	.25	.19	.17
1303290	NSC	LM78L05ACZ/NOPBℛ	TO-92/3	3-terminal 5V, 100mA pos	.69	.55	.45
192233	✦	78M05	TO-220/3	5V 500mA pos.	.25	.22	.19
902514	NSC	LM78M05CDT/NOPBℛ	TO-252/3	3-terminal 5V positive	1.45	1.15	.85
51297	✦	7806T	TO-220/3	6V 1A pos. (LM340T-6)	.35	.29	.25
51300	✦	7808T*	TO-220/3	8V 1A pos. (LM340T-8)	.35	.29	.25
876791	ON	MC78L08ACPGℛ	TO-92/3	8V, 100mA pos., C-temp	.25	.19	.15

*10 pcs./ **20 pcs. included in Linear kit

Voltage Regulators (Continued)

★Web Code: TAC

✳ Order in multiples of 10

Part No.	*Mfr.	Product No.	Pkg./Pins	Description	1	10	100
876352	ON	MC7809CTℛ	TO-220/3	9V, 1A pos., C-temp	$.29	$.25	$.22
192225	✦	78L09ACZ	TO-92/3	9V 100mA pos.	.25	.19	.17
51318	✦	7812K	TO-3/2	12V 1A pos. (LM340K-12)	2.15	1.95	1.75
51334	✦	7812T**	TO-220/3	12V 1A pos. (LM340T-12)	.25	.22	.19
51335	✦	7812Tℛ	TO-220/3	12V 1A pos. (LM340T-12)	.25	.22	.19
889305	ST	L7812CVℛ	TO-220/3	12V, 1.5A pos.	.29	.25	.22
902127	NSC	LM7812CT	TO-220/3	12V, 1A positive	1.05	.95	.85
876395	ON	MC7812BTGℛ	TO-220/3	12V, 1A pos., I-temp	.39	.35	.29
876441	ON	MC7812CTGℛ	TO-220/3	12V, 1A pos., C-temp	.39	.35	.29
51203	✦	78L12*	TO-92/3	12V 100mA pos.	.25	.19	.17
902389	NSC	LM78L12ACZ	TO-92/3	3-terminal 12V positive	.39	.35	.29
192241	✦	78M12	TO-220/3	12V 500mA pos.	.25	.19	.17
51369	✦	7815K	TO-3/2	15V 1A pos. (LM340K-15)	1.75	1.49	1.25
51377	✦	7815T*	TO-220/3	15V 1A pos. (LM340T-15)	.29	.25	.22
902151	NSC	LM7815CT	TO-220/3	3-terminal 15V	1.05	.95	.85
51414	✦	7824T	TO-220/3	24V 1A pos. (LM340T-24)	.25	.22	.19
1131504	TI	UA78M33CKCSE3ℛ	TO-220/3	3.3V, 500mA, fixed po. regulator	.69	.59	.45
51238	✦	78S40CN	DIP-16	1.25V-40V 1.5A switching reg	.69	.59	.39
51457	✦	7905T*	TO-220/3	-5V 1A neg. (LM320T-5)	.29	.25	.22
902637	NSC	LM7905CT	TO-220/3	3-terminal -5V negative	1.49	1.15	.89
877179	ON	MC7905CTGℛ	TO-220/3	-5V, 1A neg., C-temp	.35	.29	.25
51422	✦	79L05	TO-92/3	-5V 100mA neg.	.25	.19	.17
877216	ON	MC7908CTGℛ	TO-220/3	-8V, 1A neg., C-temp	.39	.35	.29
51481	✦	7912T*	TO-220/3	-12V 1A neg. (LM320T-12)	.29	.25	.22
902661	NSC	LM7912CT	TO-220/3	3-terminal -12V negative	1.25	1.05	.75
877275	ON	MC7912CTGℛ	TO-220/3	-12V, 1A neg., C-temp	.39	.35	.29
51431	✦	79L12	TO-92/3	-12V, 100mA neg., volt reg ✳		.12	.09
51502	✦	7915T*	TO-220/3	-15V 1A neg. (LM320T-15)	.29	.25	.22
316945	MOT	MC34063AP1	DIP-8	1.5 step-up/down invert sw reg	.49	.39	.35
260259	NTE	NTE960	TO-220	+5V, 1A, fixed	1.75	1.67	1.57

*10 pcs./ **20 pcs. included in Linear kit, pg 16

Simple Switcher Voltage Regulators

★Web Code: VAX

Part No.	*Mfr.	Product No.	Pkg./Pins	Description	1	10
1728626	LTC	LT1070CTℛ	TO-220/5	5A high eff switching reg	$8.95	$7.95
1742524	LTC	LT1959CS8#PBFℛ	SOIC-8	4.5A, 500kHz step-down, C-temp	7.95	6.95
156566	✦	LM2574N-5	DIP-8	5V step-down regulator	1.49	1.25
279603	NSC	LM2575HVT-12	TO-220	1A step down V-reg, high Vin range	1.95	1.75
279638	NSC	LM2575HVT-5.0	TO-220/5	1A step-down V-reg, hi Vin range	3.49	2.95
894817	NSC	LM2576T-5.0/LB03	TO-220/5	Simple switcher 3A step down, I-temp	1.95	1.25
192399	NSC	LM2576HVT-12	TO-220/5	3A step down V-reg, high Vin range	3.95	2.75
192381	NSC	LM2576HVT-5.0	TO-220/5	3A step down V-reg, high Vin range	5.49	4.49
192372	NSC	LM2576HVT-ADJ	TO-220/5	3A step-down V-reg, high Vin range	4.25	3.25
245569	✦	LM2576T-5.0	TO-220/5	3A step-down voltage regulator	2.25	1.75
120977	✦	LM2576T-ADJ	TO-220/5	3A step-down voltage regulator	1.45	1.05
300898	NSC	LM2586S-12	TO-263/7	3A flyback regulator with shutdown	4.95	4.25
300871	NSC	LM2586S-5.0	TO-263/7	3A flyback regulator with shutdown	4.95	4.25
300821	NSC	LM2586S-ADJ	TO-263/7	3A flyback regulator with shutdown	4.95	3.95
300919	NSC	LM2586T-ADJ	TO-220	3A flyback regulator with shutdown	5.49	4.95
300847	NSC	LM2588T-ADJ	TO-220	5A flyback regulator with shutdown	6.95	5.75
300732	NSC	LM2592HVT-3.3	TO-220	2A step down voltage regulator	4.95	4.49
300695	NSC	LM2594N-3.3	DIP-8	0.5A step down voltage regulator	2.95	2.49
310391	NSC	LM2596S-5.0	TO-263/5	3A step down voltage regulator	2.95	2.25
300265	NSC	LM2595S-ADJ	TO-263/5	1A step down voltage regulator	2.95	2.25
290642	NSC	LM2596T-5.0	TO-220/7	3A step down voltage regulator	2.95	2.49
290394	NSC	LM2599S-ADJ	TO-263/7	3A step down voltage regulator	4.49	3.75
312397	NSC	LM2636MTC	TSSOP-20	5-bit prog. synchronous buck reg	2.49	2.05
290749	NSC	LM2651MTC-3.3	TSSOP-16	1.5A high eff. synch switching reg	2.95	2.25
312389	NSC	LM2653MTC-ADJ	TSSOP-16	1.5A high eff synch switching reg	2.95	2.49
290765	NSC	LM2672N-5.0✪	DIP-8	5V high eff. 1A load	2.95	2.25
290888	NSC	LM2674M-ADJ	SOIC-8	Adj voltage high eff switcher	2.95	2.75
291012	NSC	LM2675N-ADJ	DIP-8	1A step down voltage reg power conv	2.95	2.25

✪ Blue Part No. = Limited Quantity Available

* FSC = Fairchild | LTC = Linear Technology | MAX = Maxim Semi | MOT = Motorola | NSC = National Semi | ON = ON Semi | ST = ST Micro | TI = Texas Instruments | ✦ Mfr. Varies

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Voltage Regulators & IC Sockets

3 LEVELS OF SAVINGS: NAME BRANDS | HOUSE BRANDS | FACTORY OVERRUN

Low Drop-Out Voltage Regulators

★Web Code: MBT

Part No.	*Mfr.	Product No.	Pkg./Pins	Description	1	10	100
299743	NSC	LM1084IT-ADJ	TO-220/3	5A low dropout adj. pos.	$2.49	$1.95	$1.59
299735	NSC	LM1084IT-3.3	TO-220/3	5A low dropout 3.3V pos.	2.49	1.95	1.59
2100523	✦	AMS1085CD	TO-252	3A low dropout adj. pos.	.89	.79	.59
282757	✦	LT1085CT	TO-220/3	3A low dropout adj./fixed pos.	1.25	.95	.75
302455	✦	LM1085IT-ADJ ✪	TO-220/3	3A low drop out adj. pos. volt. reg.	1.25	1.05	.95
192305	✦	LM1086CT-3.3	TO-220/3	1.5A low dropout pos. (3.3V)	1.15	.85	.65
192313	✦	LM1086CT-5.0	TO-220/3	1.5A low dropout pos. (5V)	1.75	1.49	1.25
835631	NSC	LM1086CT-ADJ/NOPB℞	TO-220/3	1.5A adj. LDO pos, C-temp	1.75	1.49	1.25
251782	NSC	LM1117MPX-ADJ	SOT-223/3	800mA low dropout linear	.89	.69	.59
242114	✦	LM1117T-3.3	TO-220/3	800mA, 3.3V, LDO	.89	.79	.69
242115	NSC	LM1117T-3.3/NOPB℞	TO-220/3	800mA, 3.3V, LDO	1.45	1.19	.85
244152	✦	LT1587CT-3.3	TO-220/3	3A 3.3V, LDO adj. reg.	1.95	1.75	1.49
897188	NSC	LM2937ET-3.3	TO-220/3	500mA, 3.3V LDO, I-temp	1.75	1.45	1.09
297810	NSC	LM2937ET-5.0	TO-220/3	500mA, 5V LDO	1.75	1.45	.95
291101	NSC	LM2937ET-10	TO-220/3	10V 500mA LDO regulator	.79	.69	.65
107182	✦	LM2940CT-5	TO-220/3	5V LDO reg. (max. 45Vin)	1.35	1.05	.75
897381	NSC	LM2940CT-5.0/NOPB℞	TO-220/3	1A, 5V LDO pos	1.55	1.25	.95
192495	NSC	LM2940CT-12	TO-220/3	12V LDO reg. (max. 45Vin)	1.45	1.15	.85
837505	NSC	LM2940T-5.0/NOPB℞	TO-220/3	1A, 5V LDO, I-temp	1.45	1.15	.85
121064	✦	LM2941CT	TO-220/5	1A LDO adjustable (45Vin)	1.45	1.15	.85
1944880	✦	LP2950ACN	TO-92/3	100mA adj. LDO volt. reg.	.29	.25	.19
121101	✦	LP2950ACZ-5.0	TO-92/3	Low power LDO 3V low % reg.	.69	.59	.49
266757	✦	LP2950CZ-5.0	TO-92/3	100mA low pwr. LDO	.49	.39	.35
121110	✦	LP2951ACP	DIP-8	Adjustable µ power volt-reg.	.49	.39	.25
1315492	ON	LP2951CN-3.0	DIP-8	3V, 100mA LP LDO (I-temp)	.39	.29	.25
192524	✦	LM3940IT-3.3	TO-220/3	1A LDO for 5V to 3.3V	1.75	1.45	1.05
1326133	NSC	LP2985IM5-5.0/NOPB℞	SOP-5	150mA, 5V µpower low noise ultra reg	.49	.39	.35
1119791	TI	TPS75701KTTT℞	TO-263	Fast transient response 3A, I-temp	4.49	4.25	3.75
700496	TI	TPS78625KTTT℞	TO-263	Ultra low noise, hi-PSRR 1.5A	2.95	2.25	1.95

✪ Blue Part No. = Limited Quantity Available

★Power Drivers & Modules Available Online — Enter Web Code REK

★Switching Regulators Available Online — Enter Web Code DEN

AMP DIP Low-Profile IC Sockets

★Web Code: QAF

Economy Ladder Style

683104

526205

683198

- Housing: glass filled thermoplastic, black
- Contacts: phosphor bronze tin plating
- A: 15µ" gold
- Dual wipe
- B: 60µ" tin

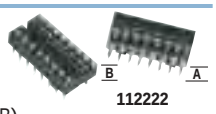
Order in multiples of 10

Part No.	Mfr. Part No.	Pos.	Plating	Width (ins.)	10	100	500
683091	1-390261-1℞	6	B	0.3	$.13	$.10	$.08
526299	390261-2	8	B	0.3	.12	.09	.07
683104	1-390261-2℞	8	B	0.3	.13	.10	.08
837679	2-640463-4	8	A	0.3	.69	.59	.49
526192	390261-3	14	B	0.3	.12	.09	.08
683112	1-390261-3℞	14	B	0.3	.13	.10	.09
526205	390261-4	16	B	0.3	.17	.11	.09
683121	1-390261-4℞	16	B	0.3	.19	.12	.10
524584	2-640358-4	16	A	0.3	.55	.45	.39
526213	390261-5	18	B	0.3	.15	.14	.10
683139	1-390261-5℞	18	B	0.3	.16	.15	.11
526221	390261-6	20	B	0.3	.16	.15	.13
683147	1-390261-6℞	20	B	0.3	.17	.16	.14
683163	1-390261-8℞	24	B	0.3	.22	.20	.17
683198	1-390262-1℞	24	B	0.6	.25	.21	.19
526248	390261-9	28	B	0.3	.24	.22	.20
683171	1-390261-9℞	28	B	0.3	.25	.23	.21
526256	390262-2	28	B	0.6	.22	.19	.17
683201	1-390262-2℞	28	B	0.6	.24	.22	.19
526272	390262-5	40	B	0.6	.32	.29	.25
683227	1-390262-5℞	40	B	0.6	.35	.33	.27

Dual Wipe Solder Tail Low-Profile IC Sockets

★Web Code: WAP

- Contact current: 1A
- Contact resistance: less than 5mΩ
- Dielectric withstanding voltage: 300V
- Insulation resistance: greater than 1000MΩ
- Thru-hole lead length: .140" (A) • Body height: .188" (B)



112222

Order in multiples of 10

Part No.	*Mfr.	Product No.	Pins	Width (ins.)	10	100	1000
112193	JVP	6LPD℞	6	0.3	$.13	$.10	$.08
51571	✦	8LPD	8	0.3	.12	.09	.07
112206	JVP	8LPD℞	8	0.3	.13	.10	.08
37162	✦	14LP*	14	0.3	.12	.09	.08
689936	✦	ED14DT	14	0.3	.12	.09	.08
112214	JVP	14LPD℞	14	0.3	.13	.10	.09
37372	✦	16LP*	16	0.3	.10	.08	.06
37373	JVP	16LPD	16	0.3	.17	.11	.09
112222	JVP	16LPD℞	16	0.3	.19	.12	.10
38113	✦	18LP*	18	0.3	.14	.12	.09
689952	✦	ED18DT	18	0.3	.14	.12	.09
112231	JVP	18LPD℞	18	0.3	.16	.15	.11
38607	✦	20LP*	20	0.3	.12	.10	.08
112248	✦	20LPD	20	0.3	.16	.15	.13
38608	JVP	20LPD℞	20	0.3	.17	.16	.14
112256	✦	22SLPD	22	0.3	.17	.16	.14
39132	JVP	22LPD	22	0.4	.17	.16	.14
39378	✦	24SLPD	24	0.3	.21	.19	.16
112282	JVP	24SLPD℞	24	0.3	.22	.20	.17
112264	✦	24LPD	24	0.6	.23	.19	.17
112266	JVP	24LPD℞	24	0.6	.25	.21	.19
689961	✦	ED28DT	28	0.3	.24	.22	.20
112299	✦	28SLPD	28	0.3	.24	.22	.20
112300	JVP	28SLPD℞	28	0.3	.25	.19	.15
40300	✦	28LP*	28	0.6	.17	.13	.11
112272	✦	28LPD	28	0.6	.22	.19	.17
40301	JVP	28LPD℞	28	0.6	.24	.22	.19
137621	JVP	32SLPD℞	32	0.3	.29	.25	.22
689979	✦	ED32DT	32	0.6	.27	.23	.19
112301	JVP	32LPD℞	32	0.6	.29	.25	.22
41110	✦	40LP*	40	0.6	.23	.17	.13
41111	✦	40LPD	40	0.6	.32	.29	.25
112311	JVP	40LPD℞	40	0.6	.35	.33	.27
137622	✦	42LPD	42	0.6	.35	.33	.27
167396	JVP	48LPD	48	0.6	.39	.35	.35
112326	JVP	64LDP	64	0.9	.45	.39	.39

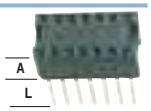
*Single wipe

2 & 3 Level Wire Wrap IC Sockets

- Contact plating/leads: gold (WW) or tin (TWW); dual wipe
- Contact current: 1A • Contact resistance: <5mΩ
- Sleeve material: brass
- Dielectric withstanding voltage: 300V
- Material: beryllium copper or phosphor bronze
- Insulation resistance: greater than 1000MΩ
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide
- Thru-hole lead length: .438" (L2); .638" (L3) • Body height: .300" (A)

★Web Code: SAF

CA



37234

Part No.	*Mfr.	Product No.	Pins	Width (ins.)	1	10	100
37218	CA	14TWW2℞	14	0.3	$2.25	$1.95	$1.75
37234	CA	14WW2℞	14	0.3	3.25	2.95	2.75
196841	✦	14TWW3	14	0.3	1.95	1.75	1.25
37437	CA	16TWW2℞	16	0.3	2.49	2.25	1.95
37480	CA	16WW2℞	16	0.3	3.49	3.25	2.95
75380	CA	20TWW2℞	20	0.3	3.49	3.25	2.95
38675	CA	20WW2℞	20	0.3	4.25	3.95	3.49
75416	CA	24TWW2	24	0.6	3.49	3.25	2.95
39395	CA	24WW2℞	24	0.3	2.95	2.65	2.39
40353	CA	28WW2℞	28	0.6	5.95	5.39	4.75
41180	CA	40TWW2℞	40	0.6	6.95	5.95	4.95

* CA = Circuit Assembly | JVP = Jameco ValuePro | NSC = National Semiconductor | ON = ON Semi | TI = Texas Instruments | ✦ Manufacturer Varies

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Texas Instruments | National Semiconductor | Linear Technology | ON | CA | OST | JAMECO ValuePro

Machine Tooled Solder Tail Low-Profile IC Sockets

- Contact plating: gold • Contact current: 3A
- Contact resistance: less than 5mΩ
- Dielectric withstanding voltage: 300V_{RMS}
- Insulation resistance: greater than 1000MΩ
- Material: beryllium copper or phosphor bronze • Tin-plated leads
- Thru-hole lead length: .177" (A) • Body height: .117" (B)

★Web Code: GBA

65585

Part No.	*Mfr.	Product No.	Pins	Width (ins.)	1	10	100
167004	JVP	6MLPTℛ	6	0.3	$.39	$.29	$.19
51626	JVP	8MLPℛ	8	0.3	.49	.45	.29
37197	JVP	14MLPℛ	14	0.3	.65	.55	.39
37402	JVP	16MLPℛ	16	0.3	.75	.59	.45
65585	JVP	18MLPℛ	18	0.3	.89	.75	.55
38623	JVP	20MLP	20	0.3	.85	.69	.49
192209	✦	22SMLP	22	0.4	1.25	1.09	.89
39386	✦	24SMLP	24	0.3	.95	.79	.59
39351	JVP	24MLP	24	0.6	1.09	.89	.65
652359	✦	24MLP-GOLD	24	0.6	1.09	.89	.65
114412	JVP	28SMLPℛ	28	0.3	1.09	.89	.65
40328	✦	28MLP+	28	0.6	1.19	.95	.69
223002	✦	324SMLPℛ	32	0.4	1.25	.95	.79
105381	JVP	32MLPℛ	32	0.6	1.35	1.09	.89
662629	✦	40MLP*	40	0.6	1.35	1.09	.89
41136	JVP	40MLP	40	0.6	1.69	1.39	.95
42059	✦	48MLP	48	0.6	1.89	1.59	1.29
200707	✦	64MLP	64	0.9	2.95	2.49	1.95

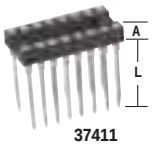
* Lead length .25"

JAMECO ValuePro 3 Level Machine Tooled Wire Wrap IC Sockets

- Contact plating: gold • Sleeve material: brass
- Contact resis.: <5mΩ
- Tin-plated leads
- Material: beryllium copper or phosphor bronze
- Dielectric withstanding voltage: 300V_{RMS}
- Insulation resistance: greater than 1000MΩ
- Body height: .115" (A)
- Thru-hole lead length: .586" (L)
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide

JAMECO EXCLUSIVE

★Web Code: FAL



37411

Part No.	Cross Ref. No.	Pins	Width (ins.)	1	10	100
94474	8MSWW3ℛ	8	0.3	$1.49	$1.35	$1.19
62051	14MSWW3ℛ	14	0.3	1.75	1.55	1.39
37411	16MSWW3ℛ	16	0.3	2.25	1.95	1.75
94482	18MSWW3ℛ	18	0.3	2.25	1.95	1.75
38632	20MSWW3ℛ	20	0.3	2.49	2.25	1.95
185324	22MSWW3	22	0.3	2.49	2.25	1.95
105372	24SMSWW3ℛ	24	0.3	2.75	2.49	2.25
313656	24MSWW3	24	0.6	2.75	2.49	2.25
94491	24MSWW3ℛ	24	0.6	2.95	2.75	2.49
200716	283MSWW3ℛ	28	0.3	3.25	2.95	2.75
40337	28MSWW3ℛ	28	0.6	3.25	2.95	2.75
117058	32MSWW3ℛ	32	0.6	3.49	3.19	2.79
94503	40MSWW3ℛ	40	0.6	3.95	3.55	3.19
200723	48MSWW3	48	0.6	3.95	3.55	3.19

Wire Wrap IC Socket I.D. Markers

- Material: plastic
- Can easily write location, part number or function
- Quick identification of pin numbers
- Slips onto socket before wrapping

★Web Code: YAG

51561

Part No.	Mfr. Part No.	Pins	Width (ins.)	1	10	100
51561	ID-8-100	8	0.3	$.49	$.45	$.39
38586	ID-20-50	20	0.3	.95	.75	.49
40299	ID-28-25	28	0.6	1.09	.89	.55

JAMECO ValuePro PLCC Thru-Hole Sockets

★Web Code: YAH

- Solder tail allows through-hole board patterns in .100" grid • Thru-hole lead length: .125"
- Accepts JEDEC type "A" plastic leaded chip (0.05" centers)

71969

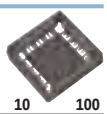
Part No.	Cross Ref. No.	Pins	Body Height (ins.)	1	10	100
71263	G1P428	28	.375	$.65	$.55	$.49
71811	G1P32	32	.375	.69	.59	.55
71618	G1P444	44	.375	.75	.65	.59
72442	G1P452	52	.375	.85	.75	.69
71969	G1P468ℛ	68	.375	.89	.79	.75
71977	G1P484ℛ	84	.375	.95	.85	.79

PLCC SMT Sockets

★Web Code: EAR

- Housing: high temp. thermoplastic, UL94V-0
- Contacts: phosphor bronze/tin lead
- Contact resis.: 200MΩ max. • Insulation resis.: 5000MΩ min.

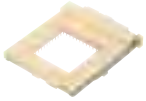
152688



Part No.	*Mfr.	Product No.	Pins	Voltage Rate	1	10	100
2004822	✦	850-20SMT-T	20	250V, 1A	$.65	$.55	$.49
2005286	✦	850-28SMT-T	28	250V, 1A	.69	.59	.55
2004831	✦	850-32SMT-T	32	250V, 1A	.75	.65	.59
152688	JVP	850-44-PPST	44	250V, 1A	.79	.69	.65
2005294	✦	850-52SMT-T	52	250V, 1A	.89	.79	.69
1954771	✦	850-68SMT-T	68	250V, 1A	.95	.85	.75
307951	JVP	850-68-PPST	68	250V, 1A	.59	.55	.49
152696	OST	EDO-68PLC25M-N	68	250V, 1A	.59	.55	.49
2004849	✦	850-84SMT-T	84	250V, 1A	1.19	.95	.79

AMP PGA Socket

- Intel Celeron, PIII chip compatibility
- LCP cover material, UL94V-0 natural
- Open frame style • Low profile
- Contacts: copper alloy/gold • 19 x 19 grid



Part No.	Mfr. Part No.	Pins	1	10	100
838735	2-916783-2	370	$5.49	$5.09	$4.75

SIMM Vertical Sockets

★Web Code: WAL

- Locking tabs • Tinned contacts
- Memory module sockets • Keyed mounting posts

100302

Part No.	*Mfr.	Product No.	Description	1	10	100
100302	JVP	2000-1X30Sℛ	Single x 30-pin, vertical	$1.49	$1.35	$1.19
1954754	✦	ES1533	Single x 72-pin, vertical	1.95	1.75	1.49
1954746	✦	ES1538	Dual x 30-pin, vertical	2.29	1.95	1.75
1954762	✦	ES1536	Dual x 72-pin, vertical	2.49	2.25	1.95

molex .050" (1.27mm) Pitch SIMM Sockets

- 72 positions • Left polarization
- Contact: phosphor bronze
- PCB retention: press-fit plastic peg
- Contact plating (plating thickness): gold (0.76µm; 30µ"); tin/lead (5µm; 200µ")

669791

669791: Right polarization; gold contact plating

Part No.	Mfr. Part No.	Description	1	10
669791	15-82-0778ℛ	Vertical	$3.95	$3.49
670750	15-82-0649ℛ	40° low profile	4.29	3.85
670784	15-82-1538ℛ	Right angle	6.49	5.85

Need special orders or pricing?
Call us at 1-800-831-4242

* JVP = Jameco ValuePro | OST = On Shore Technology | ✦ Manufacturer Varies

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

IC Sockets & Transistors

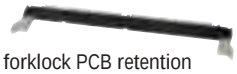
3 LEVELS OF SAVINGS: NAME BRANDS | HOUSE BRANDS | FACTORY OVERRUN

molex .050" (1.27mm) DDR DIMM Socket

- 25° low profile
- Voltage key: 2.5V, left
- Plating tail: tin, lead free
- Contact: copper alloy
- Contact plating: .38µm (15µ") gold

Part No.	Mfr. Part No.	Pos.	1	10
668511	87623-2001℞	184	$6.95	$5.95

molex .050" (1.27mm) DIMM Sockets



668529

- 168 positions
- Contact: phosphor bronze
- Contact plating: gold over palladium nickel
- **662813/662821/662830/662848**: Beveled metal pin, forklock PCB retention
- **668529/668537**: Press-fit plastic peg PCB retention

Part No.	Mfr. Part No.	Description	1	10
662813	71736-0001℞	DRAM, 3.3V	$3.95	$3.49
662821	71736-0002℞	DRAM, 5.0V	3.95	3.49
662830	71736-0005℞	Unbuff., 5.0V	3.95	3.49
662848	71736-0006℞	SDRAM, 3.3V	3.95	3.49
668529	71251-0001℞	DRAM, 3.3V	3.95	3.49
668537	71251-0016℞	SDRAM, 3.3V	3.95	3.49

★ *Voltage References Available Online — Enter Web Code TBD*

★ *Hot Swap Controllers Available Online — Enter Web Code JAX*

Transistors

★ *Web Code: FEN*

✳ Order in multiples of 10

Part No.	*Mfr.	Product No.	Pkg.	Desc.	V_{CEO}	Min. (h_{FE} @ Ic)	1	10	100
26462	✦	MPSA06	TO-92	NPN	80	100k @ .01A	✳	$.05	$.04
26489	✦	MPSA13*	TO-92	NPN	30	5k @ .01A	✳	.06	.05
210593	✦	MPSA14	TO-92	NPN	30	20k @ .10A	✳	.05	.04
210681	✦	MPSA18	TO-92	NPN	45	500 @ .001A	✳	.07	.06
33021	✦	TIP29A	TO-220	NPN	60	15 @ 1A	.29	.25	.22
33048	✦	TIP31A*	TO-220	NPN	60	10 @ 3A	.29	.25	.22
179354	FSC	TIP31C	TO-220	NPN	100	10 @ 3A	.29	.25	.22
890568	ST	TIP35C℞	TO-218	NPN	100	25 @ 1.5A	1.09	.99	.89
33081	✦	TIP41A	TO-220	NPN	60	15 @ 3A	.39	.35	.29
179371	✦	TIP41C℞	TO-220	NPN	100	15 @ 3A	.35	.29	.25
178546	✦	MPSA42	TO-92	NPN	30	40 @ .03A	✳	.07	.06
288631	✦	TIP48	TO-220	NPN	300	30 @ .3A	.35	.29	.25
32977	✦	TIP102*	TO-220	NPN	100	1k @ 3A	.39	.35	.29
179240	FSC	TIP102	TO-220	NPN	100	1k @ 3A	.45	.39	.35
1094723	FSC	TIP102℞	TO-220	NPN	100	1k @ 3A	.49	.45	.39
32993	✦	TIP120*	TO-220	NPN	60	1k @ 3A	.35	.29	.25
32994	✦	TIP120℞	TO-220	NPN	60	1k @ 3A	.39	.35	.29
179291	FSC	TIP120	TO-220	NPN	60	1k @ 3A	.39	.35	.29
288585	✦	TIP121	TO-220	NPN	80	1k @ .5A	.29	.25	.15
120416	✦	TIP122	TO-220	NPN	100	1k @ 3A	.35	.25	.22
179303	FSC	TIP122	TO-220	NPN	100	1k @ 3A	.39	.29	.25
260558	NTE	NTE123AP	TO-92	NPN	40	—	1.19	1.09	.99
890445	ST	TIP142℞	TO-218	NPN	100	1k @ 0.5A	1.05	.95	.85
260611	NTE	NTE159	TO-92	PNP	80	—	1.25	1.05	.95
273199	NTE	NTE272	TO-202	NPN	—	—	10.95	9.95	8.95
1215986	✦	BC327℞	TO-92	PNP	-45	100 @ .10A	✳	.15	.12
254810	✦	BC337	TO-92	NPN	45	100 @ .10A	✳	.05	.04
211529	✦	MJE340	TO-225	NPN	300	30 @ .05A	.29	.25	.22
261091	NTE	NTE473	TO-39	NPN	—	—	3.95	3.49	3.25
254799	✦	BC547C	TO-92	NPN	45	600 @ .002A	✳	.05	.04
254781	✦	BC548B	TO-92	NPN	30	110 @ .002A	✳	.05	.04
784790	FSC	BC549B℞	TO-92	NPN	30	110 @ 2mA	✳	.05	.03
211553	✦	MJE800	TO-225	NPN	60	750 @ 1.5A	.29	.25	.22
916238	NXP	BC868T/R℞	SOT-89	NPN	20	85 @ 500mA	✳	.15	.12
800568	MOT	MPS918	TO-92	NPN	15	20 @ .003A	✳	.08	.07
38228	✦	2N2219A	TO-39	NPN	40	100 @ .15A	.45	.39	.35
26446	✦	MPQ2222	DIP-14	NPN	40	100 @ .15A	2.95	2.75	2.49
28628	✦	PN2222**	TO-92	NPN	30	100 @ .15A	✳	.07	.06
38236	✦	2N2222A*	TO-18	NPN	40	100 @ .15A	.45	.39	.35
38237	✦	2N2222A℞	TO-18	NPN	40	100 @ .15A	.49	.45	.39

*10 pcs./**100 pcs. in Transistor cabinet kit, pg 21

Transistors (Continued)

★ *Web Code: FEN*

✳ Order in multiples of 10

Part No.	*Mfr.	Product No.	Pkg.	Desc.	V_{CEO}	Min. (h_{FE} @ Ic)	1	10	100
213938	✦	MMBT2222A	SOT-23	NPN	40	100 @ .15A	✳	$.05	$.03
210673	✦	MPS2222A	TO-92	NPN	40	40 @ .50A	✳	.05	.04
178511	✦	PN2222A	TO-92	NPN	40	100 @ .15A	✳	.05	.03
178512	✦	PN2222A℞	TO-92	NPN	40	100 @ .15A	✳	.05	.03
803268	ON	PN2222AG℞	TO-92	NPN	40	50 @ .001A	✳	.07	.06
803049	ON	P2N2222AG℞	TO-92	NPN	40	35 @ .01A	✳	.07	.06
1945014	FSC	PN2484	TO-92	NPN	60	250 @ .001A	✳	.09	.07
38295	✦	2N3053*	TO-39	NPN	40	25 @ .15A	.55	.49	.45
38308	✦	2N3055+*	TO-3	NPN	60	15 @ 10A	.89	.79	.69
211406	✦	2N3055A	TO-3	NPN	60	20 @ 4A	1.75	1.45	1.15
211385	✦	TIP3055	TO-218	NPN	60	5 @ .001A	.85	.75	.69
25857	✦	MJE3055T	TO-220	NPN	60	20 @ 4A	.39	.35	.29
194415	✦	2N3439	TO-39	NPN	350	40 @ .02A	.59	.49	.39
1944919	NSC	PN3566	TO-92	NPN	30	80 @ .002A	✳	.12	.07
209242	✦	2N3771	TO-3	NPN	40	15 @ 15A	1.95	1.75	1.49
140151	✦	2N3773	TO-3	NPN	140	15 @ 8A	2.25	1.95	1.75
38359	✦	2N3904**	TO-92	NPN	40	100 @ .01A	✳	.05	.03
38360	✦	2N3904℞	TO-92	NPN	40	100 @ .01A	✳	.05	.03
178597	FSC	2N3904	TO-92	NPN	40	100 @ .01A	✳	.05	.03
783421	FSC	2N3904℞	TO-92	NPN	40	100 @ .01A	✳	.05	.03
885161	ON	2N3904G℞	TO-92	NPN	40	40 @ 0.1mA	✳	.05	.04
94967	✦	MMBT3904	SOT-23	NPN	40	100 @ .01A	✳	.05	.03
1944927	FSC	PN4275	TO-92	NPN	15	35 @ .01A	✳	.09	.07
38421	✦	2N4401*	TO-92	NPN	40	100 @ .15A	✳	.05	.04
211490	✦	2N4923	TO-225	NPN	—	80 @ 1A	.45	.39	.35
1201380	FSC	PN4953	TO-92	NPN	30	150 @ .01A	✳	.05	.04
310666	✦	2N5038	TO-3	NPN	150	20 @ 12A	4.95	4.49	3.95
140373	✦	2N5179	TO-72	NPN	12	25 @ .003A	1.09	.99	.89
1945081	FSC	2N5306	TO-92	NPN	25	7000 @ .002A	✳	.05	.04
194600	✦	2N6059	TO-3	NPN	100	750 @ 6A	1.95	1.75	1.49
924300	ST	2N6284℞	TO-3/2	NPN	100	750 @ 10A	2.75	2.49	2.25
255011	✦	2N6292	TO-220	NPN	70	30 @ 2A	.25	.22	.15
1945031	FSC	MPS6515	TO-92	NPN	25	250 @ .002A	✳	.05	.04
194618	✦	2N6547	TO-3	NPN	400	12 @ 5A	3.75	3.49	3.15
194626	✦	2N6678	TO-3	NPN	400	8 @ 15A	6.95	6.25	5.49
33030	✦	TIP30A	TO-220	PNP	60	15 @ 1A	.39	.35	.29
33064	✦	TIP32A*	TO-220	PNP	60	10 @ 3A	.29	.25	.22
181841	✦	TIP32C	TO-220	PNP	100	10 @ 3A	.29	.25	.22
890592	ST	TIP36C℞	TO-218	PNP	100	25 @ 1.5A	1.05	.95	.85
33101	✦	TIP42A	TO-220	PNP	60	15 @ 3A	.39	.35	.29
139580	✦	TIP42C	TO-220	PNP	100	15 @ 3A	.35	.29	.25
32985	✦	TIP106	TO-220	PNP	80	1k @ 3A	.59	.49	.35
179258	✦	TIP107	TO-220	PNP	100	1k @ 3A	.39	.35	.29
288526	✦	TIP115	TO-220	PNP	60	1k @ 1A	.35	.29	.25
288542	✦	TIP117	TO-220	PNP	100	1k @ 1A	.29	.25	.19
33013	✦	TIP125	TO-220	PNP	60	1k @ 3A	.29	.25	.22
179320	✦	TIP127	TO-220	PNP	100	1k @ 3A	.35	.29	.25
1085500	FSC	MPS750RL	TO-92	PNP	40	75 @ .05A	.25	.17	.15
194378	✦	2N2905A	TO-39	PNP	60	100 @ .15A	.45	.39	.35
924297	ST	2N2907℞	TO-39/3	PNP	-40	75 @ -.01A	.49	.45	.39
26454	✦	MPQ2907	DIP-14	PNP	40	100 @ .15A	1.95	1.75	1.49
28644	✦	PN2907**	TO-92	PNP	40	100 @ .15A	✳	.05	.03
211342	✦	MPS2907A	TO-92	PNP	60	100 @ .15A	✳	.06	.05
178520	✦	PN2907A	TO-92	PNP	60	100 @ .15A	✳	.05	.03
38279	✦	2N2907A*	TO-18	PNP	60	100 @ .15A	.45	.39	.35
211502	✦	MJ2955	TO-3	PNP	60	20 @ 4A	.99	.89	.79
25831	✦	MJE2955T	TO-220	PNP	60	20 @ 4A	.39	.35	.29
1944986	FSC	PN3644	TO-92	PNP	45	100 @ .01A	✳	.06	.04
38375	✦	2N3906**	TO-92	PNP	40	100 @ .01A	✳	.05	.03
178618	FSC	2N3906	TO-92	PNP	40	100 @ .01A	✳	.05	.04
805597	ON	2N3906G℞	TO-92	PNP	40	100 @ 10A	✳	.05	.04
1944943	FSC	PN4122	TO-92	PNP	40	150 @ 1mA	✳	.12	.07
1944951	FSC	PN4355	TO-92	PNP	60	100 @ 1mA	✳	.15	.12
38447	✦	2N4403*	TO-92	PNP	40	100 @ .15A	✳	.05	.04
2095411	✦	—	Transistor mtg. pads TO-92/98/18/72				✳	.05	.04

*10 pcs./**100 pcs. in Transistor cabinet kit, pg 21

Continued on next page

* FSC = Fairchild Semiconductor | MOT = Motorola | NTE = NTE Electronics | NXP = NXP/Philips | ON = ON Semi | ST = ST Micro | ✦ Manufacturer Varies

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 190.*

Transistors (Continued)

★Web Code: FEN

✳ Order in multiples of 10

Part No.	*Mfr.	Product No.	Pkg.	Desc.	V_{CEO}	Min. (h_{FE} @ Ic)	1	10	100
1944935	FSC	PN4917	TO-92	PNP	30	150 @ 1mA	✳	$.12	$.07
210649	✦	2N5401	TO-92	PNP	150	60 @ .01A	✳	.05	.04
253438	✦	2N5884	TO-3	PNP	80	4 @ 25A	2.49	2.15	1.75
885419	ON	2N6027RLRA ℛ	TO-92	—	40	—	✳	.12	.09
194571	✦	2N6042	TO-220	PNP	100	1k @ 3A	.65	.55	.45
194597	✦	2N6052	TO-3	PNP	100	750 @ 6A	2.49	2.25	1.95
261121	NTE	NTE6410	TO-92	PNP	30	—	4.95	4.49	3.95
140353	✦	2N6488	TO-220AB	PNP	80	20 @ 5A	.79	.65	.49
885697	ON	2N6520RLRA ℛ	TO-92	NPN/PNP	350	20 @ 1mA	✳	.12	.09

Transistor Assortment Cabinet Kit

Includes: 20 drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 169 and 30 adhesive labels for drawers to identify parts in kit

10 each: 2N2222A, 2N2907A, 2N3053, 2N3055, 2N4401, 2N4403, 2N5951, 2N7000, MJE3055T, MPF102, MPSA06, MPSA13, TIP31A, TIP32A, TIP102, TIP120

100 each: 2N3904, 2N3906, PN2222, PN2907

Part No.	Description	Wt. (lbs.)	1	5
82595	560 pcs. (20 types) NPN, PNP transistor kit	5.1	$69.95	$59.95
130374	Refill for 82595 (560 pcs.)	0.4	54.95	49.95

J-FETs

Please Note: Manufacturer may vary

★Web Code: JAD

Order in multiples of 10

Part No.	Product No.	Pkg.	Channel	BV_{GS} @ I_G(µA)	I_{DSS} (mA) @ V_{DS}	10	100	1000
26403	MPF102*	TO-92	N	-25 @ -10	2 @ 15	$.10	$.09	$.055
210622	2N3819	TO-92	N	-25 @ -1	20 @ 15	.09	.07	.06
1945006	PN4093	TO-92	N	-40 @ 1	15 @ 20	.09	.07	.04
253948	2N5457	TO-92	N	-25 @ -10	1 @ 15	.08	.07	.05
253921	2N5458	TO-92	N	-25 @ -10	2 @ 15	.09	.07	.06
38527	2N5951*	TO-92	N	-30 @ -1	7 @ 15	.12	.09	.07
253913	2N5460	TO-92	P	40 @ 10	-1 @ -15	.10	.08	.055

*10 pcs. in Transistor cabinet kit, above

N-Channel & P-Channel MOSFETs

★Web Code: GCJ

✳ Order in multiples of 10

Part No.	*Mfr.	Product No.	Pkg.	Channel	BV_{DS}	Min. On-St. DS Current	1	10	100
669863	✦	IRFBG20	TO-220AB	N	1000	1.4A	$.89	$.79	$.59
669871	✦	IRFZ24N	TO-220AB	N	55	17A	.89	.79	.59
669919	✦	IRFBE30	TO-220AB	N	800	4.1A	.99	.89	.69
669927	✦	IRFBG30	TO-220AB	N	1000	3.1A	1.25	1.15	1.05
669935	✦	IRFZ34N	TO-220AB	N	55	26A	.85	.75	.65
669943	✦	IRLZ34N	TO-220AB	N	55	30A	.79	.69	.59
669951	✦	IRFZ44N	TO-220AB	N	55	49A	.95	.85	.75
669978	✦	IRFZ46N	TO-220AB	N	55	53A	.99	.89	.79
669986	✦	IRFZ48N	TO-220AB	N	55	64A	1.05	.95	.85
670055	✦	IRFP150N ✪	TO-247	N	100	42A	.69	.59	.45
256031	✦	BS170	TO-92	N	60	0.5A (max.)	✳	.10	.08
670071	✦	IRFR220N	TO-252AA	N	200	5A	.49	.39	.29
670080	✦	IRFP250	TO-247	N	200	30A	1.95	1.75	1.49
670098	✦	IRFP250N	TO-247AC	N	200	30A	1.75	1.35	1.15
670101	✦	IRFP260N	TO-247	N	200	50A	2.75	1.95	1.45
871092	FSC	FDV303N ℛ	SOT-23	N	25	0.5A†	✳	.12	.09
871017	FSC	FDN337N ℛ	SuperSOT-3	N	30	10A	.25	.19	.15
670135	✦	IRFP450	TO-247	N	500	14A	2.05	1.85	1.65
670143	✦	IRFP460	TO-247	N	500	20A	2.49	2.25	1.85
209234	✦	IRF510	TO-220	N	100	5.6A	.79	.59	.45

† DMOS FET ✪ Blue Part No. = Limited Quantity Available

N-Channel & P-Channel MOSFETs (Continued)

★Web Code: GCJ

✳ Order in multiples of 10

Part No.	*Mfr.	Product No.	Pkg.	Channel	BV_{DS}	Min. On-St. DS Current	1	10	100
209226	✦	IRF520	TO-220	N	100	10A	$.55	$.45	$.39
209058	✦	IRL520N	TO-220	N	100	10A	.65	.55	.45
210500	✦	IRF530	TO-220	N	100	14A	.79	.69	.59
670151	✦	IRF530N	TO-220AB	N	100	17A	.85	.75	.65
670160	✦	IRL530N	TO-220AB	N	100	17A	.89	.79	.69
210518	✦	IRF540	TO-220	N	100	27A	.75	.65	.55
670178	✦	IRF540NS	D2PAK	N	100	33A	.69	.59	.39
670194	✦	IRL540N	TO-220AB	N	100	30A	1.25	1.15	.95
210526	✦	IRF620	TO-220	N	200	6.0A	.45	.39	.35
210534	✦	IRF630	TO-220	N	200	9.0A	.45	.39	.35
210542	✦	IRF640	TO-220	N	200	18A	.79	.69	.59
670223	✦	IRF640NS	D2PAK	N	200	18A	.59	.49	.45
670231	✦	IRF644	TO-220AB	N	250	14A	.79	.69	.59
210551	✦	IRF730	TO-220	N	400	5.5A	.75	.65	.55
210569	✦	IRF740	TO-220	N	400	10A	.65	.55	.45
210577	✦	IRF820	TO-220	N	500	4.0A	.59	.49	.45
210585	✦	IRF830	TO-220	N	500	4.5A	.55	.45	.39
184719	✦	IRF840	TO-220	N	500	8.0A	.85	.75	.65
787798	FSC	RFP12N10L ℛ	TO-220AB	N	100	12A	.69	.59	.45
670258	✦	IRF1010E	TO-220AB	N	60	75A	1.49	1.35	1.25
670274	✦	IRF1310N	TO-220AB	N	100	36A	1.45	1.25	1.15
670282	✦	IRF1405	TO-220AB	N	55	169A	2.45	2.15	1.95
279460	✦	VN2222LL	TO-92	N	60	0.75A	.25	.22	.19
670346	✦	IRL2910	TO-22AB	N	100	55A	1.25	1.15	.85
873602	FSC	MTP3055VL ℛ	TO-220	N	60	12A	.75	.59	.49
874875	FSC	NDT3055L ℛ ✪	SOT-223	N	60	10A	.29	.25	.19
1559640	INR	IRF3205PBF ℛ	TO-220	N	55	110A	1.75	1.55	1.35
618089	✦	IRF3205	TO-220	N	55	110A	1.55	1.35	1.15
670354	✦	IRF3415	TO-220AB	N	150	43A	1.75	1.55	1.35
618071	✦	IRL3705	TO-220	N	55	89A	1.25	1.15	1.05
670362	✦	IRF3710	TO-220AB	N	100	57A	.89	.79	.65
670371	✦	IRFPS37N50A	Super-247	N	500	36A	6.25	5.49	4.75
255038	✦	SI4420DY	SOIC-8	N	30	30A	1.25	1.05	.85
875051	FSC	RFP50N06 ℛ	TO-220AB	N	60	50A	.95	.75	.65
119423	✦	2N7000	TO-92	N	60	0.3A	✳	.07	.05
178669	FSC	2N7000*	TO-92	N	60	0.2A	✳	.08	.06
783594	FSC	2N7000 ℛ	TO-92	N	60	0.75A	✳	.09	.07
140169	✦	2N7002	SOT-23	N	60	0.5A	✳	.05	.03
670397	✦	IRF7401	SOIC-8	N	20	10A	.59	.49	.35
256057	✦	BS250	TO-92	P	-45	0.25A (max.)	.49	.45	.39
871113	FSC	FDV304P ℛ	SOT-23	P	-25	-1A†	✳	.12	.09
1944901	✦	ZVP3306A	TO-92	P	-60	-0.4A†	.39	.29	.25
920288	FSC	FQA36P15-NL ℛ	TO-3P	P	-150	-18A	1.49	1.25	1.09
870971	FSC	FDC640P ℛ	Super SOT-6	P	-20	-20A	.25	.17	.15
670442	✦	IRF4905	TO-220AB	P	-55	-74A	1.49	1.35	1.25
1559851	INR	IRF4905PBF ℛ	TO-220AB	P	-55	-74A	1.75	1.55	1.45
670477	✦	IRF5210	TO-220AB	P	-100	-40A	1.75	1.55	1.35
670485	✦	IRF5305	TO-220AB	P	-55	-31A	.99	.89	.79
670522	✦	IRLML6401	SOT-23	P	-12	-12A	.25	.15	.12
670531	✦	IRF7404	SOIC-8	P	-20	-7.7A	.29	.25	.17
670549	✦	IRF7416 ℛ	SOIC-8	P	-30	-10A	.49	.45	.29
670581	✦	IRF9Z34N	TO-220AB	P	-55	-1.8A	.89	.79	.69
670629	✦	IRF9520	TO-220AB	P	-100	6A	.65	.55	.45
670741	✦	IRF9530	TO-220AB	P	-100	-12A	.59	.49	.45
670637	✦	IRF9530N	TO-220AB	P	-100	-14A	.99	.89	.79
670645	✦	IRF9540N	TO-220AB	P	-100	-23A	1.25	1.05	.95
670653	✦	IRF9640	TO-220AB	P	-200	-11A	1.15	.95	.85
255089	✦	SI4963DY	SOIC-8	Dual P	20	-20A	.99	.79	.59
670661	✦	IRF7103	SOIC-8	Dual N	50	3A	.39	.35	.25
670670	✦	IRF7303 ℛ	SOIC-8	Dual N	30	5.3A	.35	.29	.19

*10 pcs. in Transistor cabinet kit, left † DMOS FET ✪ Blue Part No. = Limited Quantity Available

* FSC = Fairchild Semiconductor | INR = International Rectifier | NTE = NTE | ON = ON Semiconductor | ✦ Manufacturer Varies

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Hexfet Power MOSFETs

★Web Code: HDU

✳ Order in multiples of 10

Part No.	Mfr. Part No.	Pkg.	Channel	BV_{DS}	Min. On-St. DS Current	1	10	100
1563083	IRFZ24	TO-220AB	N	60	17A	$1.49	$1.25	$1.19
1563147	IRFZ44NPBF℞	TO-220AB	N	55	49A	.99	.89	.79
1562363	IRFP450PBF℞	TO-247AC	N	500	14A	2.15	2.05	1.85
1951334	IRF530NS	D2-PAK	N	100	17A	.49	.35	.25
1560051	IRF540NPBF℞	TO-220AB	N	100	33A	1.75	1.45	1.29
1563690	IRLM5203TRPBF℞	Micro-3	P	-30	-3A	✳	.15	.12
1559965	IRF5305PBF℞	TO-220AB	P	-55	-31A	1.05	.95	.85
1561619	IRF9640PBF℞	TO-220AB	P	-400	-11A	1.15	.95	.85

Zener Diodes

★Web Code: LAF

✳ Order in multiples of 10

Part No.	*Mfr.	Product No.	Pkg.	V_{Znom}	Pwr Dissipation	1	10	100
36290	✦	1N751A	DO-35	5.1V	0.5W	✳	$.05	$.03
178773	VSH	1N4732A	DO-41	4.7V	1W	✳	.05	.04
36097	✦	1N4733A*	DO-41	5.1V	1W	✳	.05	.04
36118	✦	1N4734A	DO-41	5.6V	1W	✳	.05	.04
36126	✦	1N4735A	DO-41	6.2V	1W	✳	.05	.04
178837	✦	1N4739A	DO-41	9.1V	1W	✳	.05	.04
36169	✦	1N4742A*	DO-41	12V	1W	✳	.05	.04
36185	✦	1N4744A	DO-41	15V	1W	✳	.05	.04
782911	FSC	1N4748ATR℞	DO-41	22.0V	1W	✳	.05	.03
782962	FSC	1N4752ATR℞	DO-41	33.0V	1W	✳	.05	.03
743488	FSC	1N5226B℞	DO-35	3.3V	0.5W	✳	.05	.03
179039	✦	1N5230B	DO-35	4.7V	0.5W	✳	.05	.02
179047	✦	1N5231B	DO-35	5.1V	0.5W	✳	.05	.02
743541	MOT	1N5237B	DO-35	8.2V	0.5W	✳	.05	.04
179063	✦	1N5234B	DO-35	6.2V	0.5W	✳	.05	.02
179135	✦	1N5250B	DO-35	20V	0.5W	✳	.05	.02
804818	ON	1N5352BG℞	Surmetic-40	15.0V	5W	.25	.22	.19
804914	ON	1N5359BG℞	Surmetic-40	24.0V	5W	.25	.22	.19

*10 pcs. in Diode/Rectifier cabinet kit, pg 23

Diodes

★Web Code: PAK

✳ Order in multiples of 10

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
1559164	INR	HFA08TB60PBF℞	TO-220AC	600VBR, 8A (Ultrafast)	$.69	$.59	$.55
915323	NXP	BAS40-04T/R℞	SOT-23	$40V_R$, 120mA (Schottky)	✳	.05	.03
915972	NXP	BAV99ST/R℞	SOT-363	$85V_{RRM}$, 0.5A (Switching)	✳	.07	.05
35941	✦	1N270*	DO-7	80PRV (Germanium)	.99	.89	.79
1538865	DDI	B340A-13F℞	SMA	$40V_{RRM}$, 3A (Schottky)	.25	.19	.15
313402	✦	MMBD914	SOT-23	$100V_{RRM}$, 0.2A (Switching)	✳	.05	.02
312101	✦	MBR1100	DO-41	100PRV, 1.0A (Schottky)	.25	.22	.19
1556650	AVT	HSMS-2802-BLKG℞	SOT-23	RF schottky barrier series, 70V	.49	.39	.35
1556879	AVT	HSMS-2825-BLKG℞	SOT-143	RF schottky barrier series, 15V	.49	.39	.35
1585240	AVT	HSMS-2860-BLKG℞	SOT-23	Forward voltage 350mV	.69	.55	.45
787940	FSC	RURP3020℞	TO-220AC	$200V_{RRM}$, 30A (Ultrafast)	1.55	1.35	1.29
36038	✦	1N4148**	DO-35	75PRV, 0.01A (Switching)	✳	.05	.01
151247	✦	1N4148T	DO-35	75PRV, 0.01A (tape/reel)	✳	.05	.01
179215	VSH	1N4148	DO-35	100PRV (Switching)	✳	.05	.01
743656	ST	1N5711	DO-35	$70V_{RRM}$, 15mA (Schottky)	.25	.19	.15
743710	ST	1N6263℞	DO-35	$60V_{RRM}$, 50mA (Schottky)	✳	.15	.09
1558946	INR	80SQ045℞	DO-204	$40V_{RRM}$, 80A (Schottky)	.59	.49	.45
1547999	AVT	5082-3081	Glass axial Pin diode for RF swtch & atten		2.49	2.25	1.95

*10 pcs./**100 pcs. in Diode/Rectifier cabinet kit, pg 23

Small Signal Diodes

★Web Code: JDQ

Order in multiples of 10

Part No.	*Mfr.	Product No.	Pkg.	Description	10	100	1000
655613	✦	BAY73	DO-35	125VRRM, 0.5A	$.02	$.01	$.009
36311	✦	1N914**	DO-35	75PRV, 0.01A	.05	.02	.015
179207	VSH	1N914	DO-35	100PRV	.05	.02	.015
655269	✦	1N914A	DO-35	100VRRM, 0.2A	.04	.03	.02
655285	✦	1N916	DO-35	100VRRM, 0.2A	.05	.01	.007

**100 pcs. in Diode/Rectifier cabinet kit, pg 23

Transient Voltage Suppressors

★Web Code QBQ

✳ Order in multiples of 10

Part No.	Product No.	Watt	Pkg.	Min. Brkdwn Volt. (V_{BR})	Stand-Off Voltage	1	10	100
255847	P6KE24CA	600	DO-15	22.8	20.5	✳	$.12	$.09
255775	P6KE33CA	600	DO-15	31.4	28.2	✳	.15	.12
255741	P6KE39CA	600	DO-15	37.1	33.3	✳	.12	.09
255951	P6K150CA	600	DO-15	143.0	128	✳	.12	.09
255839	P6K250CA	600	DO-15	237.0	214	✳	.15	.12
313234	SMCJ10CA	1500	DO-214AB	11.1	10	.29	.25	.22
313082	SMCJ58CA	1500	DO-214AB	64.4	58	.29	.25	.22
618118	1N5908	1500	DO-41	6.0	—	.25	.19	.15

Triacs

★Web Code: PAE

Part No.	*Mfr.	Product No.	Pkg.	Rating	1	10	100
160098	✦	HT-32	DO-35	27.37 V_{BO}, 2A	$.25	$.22	$.19
31819	✦	SC146B	TO-220	200 V_{DRM}, 10A (2N6342)	1.49	1.35	1.19
31827	✦	SC146M	TO-220	600 V_{DRM}, 10A (2N6344)	1.95	1.75	1.49
1165690	BNS	TIC201M	TO-220	600 V_{DRM}, 2.5A	.49	.39	.25
160207	TEC	Q4008L4	TO-220AB	400 V_{DRM}, 8A	1.19	1.09	.89
220492	TEC	Q4008R4	TO-220AB	400 V_{DRM}, 8A	.89	.79	.69
139336	TEC	Q4015L5	TO-220AB	400 V_{DRM}, 15A	1.29	1.19	1.09
160143	TEC	Q4025L6	TO-220AB	400 V_{DRM}, 25A	2.25	2.05	1.85
160215	TEC	Q6008L5	TO-220AB	600 V_{DRM}, 8A	1.09	.99	.89
160231	TEC	Q6015L5	TO-220AB	600 V_{DRM}, 15A	1.75	1.49	1.35
220505	TEC	Q6025R6	TO-220AB	600 V_{DRM}, 25A	1.75	1.55	1.35
220521	TEC	Q6035P5	TO-3	600 V_{DRM}, 35A	7.95	6.95	5.95
140425	✦	2N6071A	TO-225AA	200 V_{DRM}, 4A	.39	.35	.29

SanRex® Fast-On & Thru-Hole Pkg. Triacs

★Web Code: PCH

Part No.	Mfr. Part No.†	Pkg.	Rating (X_{DRM}, $I_{T(RMS)}$)	1	10	100
658216	TG35E60℞	Fast-On	Isolated 35A, 600V	$8.95	$7.95	$6.95
658275	TG35F60℞	Fast-On	Isolated 35A, 600V	8.95	7.95	6.95
657088	TMG10C80℞ ✪	TO-220AB	Non-isolated 10A, 800V	.59	.49	.39
657117	TMG16C60℞	TO-220AB	Non-isolated 16A, 600V	.59	.49	.39
657192	TMG8C60F℞ ✪	TO-220F	Isolated 8A, 600V	1.09	.99	.89

† For cross-references to Littelfuse, ST, and ON Semi products refer to datasheets @ Jameco.com.

✪ Blue Part No. = Limited Quantity Available

Rectifiers

★Web Code: LBD

✳ Order in multiples of 10

Part No.	*Mfr.	Product No.	Pkg.	Rating	1	10	100	1000
177754	TAT	T6A05L	T6L	50 PIV, 6A	$.39	$.35	$.29	$.25
177762	TAT	T6A10L	T6L	100 PIV, 6A	.49	.45	.39	.35
177818	TAT	T6A100L	T6L	1000 PIV, 6A	.69	.59	.49	.45
618062	✦	40CPQ060	TO-247AC	60 V_{RRM}, 40A (Schottky)	1.75	1.49	1.25	1.15
865864	ON	MBRS130LT3℞	SMB	30 @ 1A	✳	.12	.09	.07
879991	ON	MURS140T3℞	SMB	400 @ 1A (Ultrafast)	✳	.12	.09	.07
1645097	GI	1N645-1	DO-35	225 PRV, .15A	1.49	1.25	.99	.89
801617	ON	MR856G℞	Case-267	600 @ 3A	✳	.12	.10	.08
35924	✦	1N1188	DO-5	400 PRV, 35A	4.25	3.75	3.35	3.15
618100	✦	MBR745	TO-220	$35V_{RRM}$, 7.5A	.35	.29	.25	.22
802193	ON	MUR1640CTG℞	TO-220AB/3	400 PIV, 16A	1.25	1.15	1.05	.95
790647	ON	MBR1645G℞	TO-220AC/2	45 PIV, 16A	.89	.69	.59	.55
886657	ON	MBR20100CTG℞	TO-220AB/3	100 @ 20A	.89	.79	.69	.65
618097	✦	MBR2535CT	TO-220	35 VRPM, 30A	.39	.35	.25	.22
35975	✦	1N4001*	DO-41	50 PRV, 1A	✳	.05	.02	.015
1537862	DDI	1N4001G-T	DO-41	$50V_{RRM}$, 1A	✳	.05	.04	.035
76961	✦	1N4002	DO-41	100 PRV, 1A	✳	.05	.02	.015
76962	✦	1N4002℞	DO-41	100 PRV, 1A	✳	.05	.02	.015
1537889	DDI	1N4002-T	DO-41	100 V_{RRM}, 1A	✳	.05	.02	.015
76970	✦	1N4003	DO-41	200 PRV, 1A	✳	.05	.02	.015
35991	✦	1N4004**	DO-41	400 PRV, 1A	✳	.05	.02	.015
879094	ON	MRA4004T3	SMA	400 @ 1A	✳	.09	.05	.045
76988	✦	1N4005	DO-41	600 PRV, 1A	✳	.05	.02	.015
76996	✦	1N4006	DO-41	800 PRV, 1A	✳	.05	.02	.015
36011	✦	1N4007*	DO-41	1000 PRV, 1A	✳	.05	.02	.015
36012	✦	1N4007℞	DO-41	1000 PRV, 1A	✳	.05	.02	.015
1537951	DDI	1N4007-T	DO-41	1000 V_{RRM}, 1A	✳	.06	.05	.03
1304778	ON	1N4933RLG℞	DO-41	50 V_{RRM}, fast recovery	✳	.05	.04	.03
36249	✦	1N5401	DO-201AD	100 PIV, 3A	✳	.10	.08	.07
77083	✦	1N5402	DO-27A	200 PRV, 3A	✳	.10	.08	.07

*10 pcs./ **100 pcs. in Diode/Rectifier cabinet kit, pg 23

Continued on next page

* AVT = Avago | BNS = Bourns | FSC = Fairchild | DDI = Diodes Inc. | GI = General Instrument | INR = International Rectifier | NXP = NXP/Philips | ON= ON Semi | ST = ST Micro | TAT = Taitron | TEC = Teccor | VSH = Vishay

℞ RoHS compliant product ✦ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Rectifiers (Continued)

★Web Code: LBD

✳ Order in multiples of 10

Part No.	*Mfr.	Product No.	Pkg.	Rating	1	10	100	1000
36265	✦	1N5404*	DO-27A	400 PRV, 3A	✳	$.10	$.08	$.07
36273	✦	1N5408*	DO-27A	1000 PRV, 3A	✳	.10	.08	.07
177949	✦	1N5817	DO-204AL	20 PIV, 1A	✳	.10	.08	.07
177957	✦	1N5818	DO-204AL	30 PIV, 1A	✳	.10	.08	.07
177965	✦	1N5819	DO-204AL	40 PIV, 1A	✳	.10	.08	.07
743681	ON	1N5819G ℛ	DO-41	40 PIV, 1A	✳	.15	.13	.11
1538419	DDI	1N5819HW-7-F ℛ	SOD-123	40 V_{RRM}, 1A (Schottky)	.29	.25	.22	.19
177973	✦	1N5820	DO-201AD	20 PIV, 3A	✳	.15	.12	.10
177981	✦	1N5821	DO-201AD	30 PIV, 3A	✳	.15	.12	.10
177990	✦	1N5822	DO-201AD	40 PIV, 3A	.25	.17	.15	.13
805183	ON	1N5822G ℛ	DO-201AD	40 PIV, 3A	.25	.22	.19	.17
743701	ON	1N5822RLG ℛ	DO-201AD	40 PIV, 3A	.25	.22	.19	.17
1538435	DDI	1N5822-T	DO-201AD	40 V_{RRM}, 3A (Schottky)	.29	.25	.22	.19

Bridge Rectifiers

★Web Code: MBD

Part No.	*Mfr.	Product No.	Pkg.†	Rating	1	10	100
1540421	✦	HD04-T	Mini DIP-4	400 V_{RRM}, 0.8A	$.25	$.15	$.12
178001	✦	DF005M	DF	50 V_{RRM}, 1A	.29	.25	.22
103000	✦	DF01M	DF	100 V_{RRM}, 1A	.29	.25	.22
103042	✦	DF02M	DF	200 V_{RRM}, 1A	.29	.25	.22
102971	✦	DF04M	DF	400 V_{RRM}, 1A	.29	.25	.22
103034	✦	DF06M	DF	600 V_{RRM}, 1A	.29	.25	.22
256575	✦	DF08M	DF	800 V_{RRM}, 1.5A	.29	.25	.22
103026	✦	DF10M	DF	1000 V_{RRM}, 1A	.29	.25	.22
145429	✦	KBP02M	KBP	200 V_{RRM}, 1.5A	.39	.35	.29
119562	✦	KBP04M*	KBP	400 V_{RRM}, 1.5A	.39	.35	.29
279494	✦	W005G	W0G	50 V_{RRM}, 1.5A	.45	.39	.35
103018	✦	W02G	W0G	200 V_{RRM}, 1.5A	.49	.45	.39
102980	✦	W04G	W0G	400 V_{RRM}, 1.5A	.49	.45	.39
179469	✦	W08G	W0G	800 V_{RRM}, 1.5A	.49	.45	.39
279515	✦	W10G	W0G	1000 V_{RRM}, 1.5A	.49	.45	.39
178132	✦	W01M	W0M	100 V_{RRM}, 1.5A	.25	.22	.19
178141	✦	W02M	W0M	200 V_{RRM}, 1.5A	.25	.22	.19
178183	TAT	BR805D	BR8D	50 PIV, 2A	.49	.45	.39
178247	TAT	BR810D	BR8D	1000 PIV, 2A	.49	.45	.39
253260	✦	2KBP06M	KBP	600 V_{RRM}, 2A	.45	.35	.29
253286	✦	2KBP10M	KBP	1000 V_{RRM}, 2A	.49	.39	.35
299882	✦	GBPC1204	GBPC	400 V_{RRM}, 12A	1.95	1.49	1.25
299874	✦	GBPC1206	GBPC	600 V_{RRM}, 12A	1.75	1.49	1.19
299866	✦	GBPC1206W	GBPC-W	600 V_{RRM}, 12A	1.75	1.35	.99
179477	✦	GBPC25-01	GBPC	100 V_{RRM}, 25A	1.95	1.49	1.25
179485	✦	GBPC25-02	GBPC	200 V_{RRM}, 25A	1.95	1.49	1.25
1544704	VSH	GBPC2506-E4/1 ℛ	GBPC	600 V_{RRM}, 25A	2.49	2.15	1.75
178280	✦	MB254	MB35	400 V_{RRM}, 25A	2.49	2.15	1.75
178431	✦	MB358	MB35	800 V_{RRM}, 35A	2.95	2.75	2.49
178335	TAT	TB252	TB35	200 PIV, 25A	1.95	1.75	1.49
25574	✦	MDA990-3	179-01	200 PIV, 30A	3.75	3.49	3.25
25591	✦	MDA990-6	179-01	600 PIV, 30A	3.95	3.75	3.49
178503	TAT	TB3510	TB35	1000 PIV, 35A	3.49	3.25	2.95

*10 pcs. in Diode/Rectifier cabinet kit, below

† DF/KBP/W0G/W0M/179-01 – plastic case; GBPC/TB35 – plastic case, metal base; MB35 – metal case

Diode/Rectifier Assortment Cabinet Kit

420 pcs. (15 types) Diodes, Zener Diodes, Switching and Silicon Rectifiers

Includes: 20 drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 169 and 30 adhesive labels for drawers to identify parts in kit.

10 each: 1N270, 1N751A, 1N4001, 1N4007, 1N4150, 1N4733A, 1N4735A, 1N4742A, 1N5404, 1N5408, C106B1, KBP04M

100 each: 1N914, 1N4004, 1N4148

SAVE 12%

Part No.	Description	Wt. (lbs.)	1	5
82587	420 pcs. (15 types) diode kit	5.0	$39.95	$34.95
130366	Refill for 82587 (420 pcs.)	0.3	29.95	26.95

Silicon Controlled Rectifiers (SCRs)

★Web Code: BAB

✳ Order in multiples of 10

Part No.	*Mfr.	Product No.	Pkg.	Rating	1	10	100
14859	✦	C38M	TO-65	600 PRV, 35A (2N3899)	$6.95	$6.25	$5.49
14736	✦	C106B1*	TO-202	200 PRV, 4A (2N6239)†	.69	.59	.49
14752	✦	C122B	TO-220	200 PRV, 8A	1.29	1.19	.99
14761	✦	C122M	TO-220	600 PRV, 8A	1.35	1.25	1.05
160119	✦	T106D1	TO-202AB	400 PRV, 4A	.59	.49	.45
119802	✦	2N5060	TO-92	25 PRV, 0.8A	✳	.12	.10
211422	✦	2N5061	TO-92	60 PRV, 0.8A	✳	.12	.10
160135	TEC	S6025L	TO-220AB	600 V_{DRM}, 25A	1.49	1.39	1.29
140417	✦	2N6507	TO-220AB	400 PRV, 25A	.99	.89	.75
885654	ON	2N6509 ℛ	TO-220AB	800 V_{DRM}, 25A	.99	.89	.75

†Isolated *10 pcs. in Diode/Rectifier cabinet kit, below left

Heat Sinks

★Web Code: JAB

2077335 326757 326596 2077327 326693 326713

- Material: black anodized aluminum (except for P/N 107297 – light weight alum.)
- P/N 42622 can be mounted vertically with solderable mounting tabs

Part No.	*Mfr.	Product No.	Type	Hole	Size (L" x W" x H")	1	10	100
2077335	AVD	501200B00	DIP-14/16	0	0.73 x 0.25 x 0.19	$.49	$.45	$.39
151547	JVP	635-125B2 ℛ	TO-3	4	1.83 x 1.40 x 1.25	1.49	1.39	1.25
189835	AVD	501303B00000G	TO-3	4	1.90 x 1.40 x 0.50	.89	.79	.69
16513	JVP	DUDE4 ℛ	TO-3	4	4.75 x 1.50 x 1.25	3.75	3.25	2.75
326633	JVP	577304B00000	TO-202	0	0.52 x 0.38 x 0.75	.29	.25	.19
326757	JVP	529801B02500 ℛ	TO-218	3	1.64 x 1.00 x 1.50	1.19	.99	.85
696626	AVD	530002B02500 ℛ	TO-220	1	2.52 x 1.65 x 1.00	1.95	1.75	1.39
696714	AVD	577002B00000G ℛ	TO-220	1	0.52 x 0.25 x 0.75	.29	.25	.22
158051	AVD	577102B0000G ℛ	TO-220	1	0.52 x 0.36 x 0.75	.29	.25	.22
696722	AVD	581002B02500G ℛ	TO-220	1	0.64 x 0.64 x 1.00	1.25	1.15	1.05
326596	✦	507302B00000	TO-220	1	0.75 x 0.38 x 0.75	.29	.25	.22
70658	JVP	THM6073 ℛ	TO-220	1	0.75 x 0.36 x 0.75	.29	.25	.22
2077327	COM	8314021B00 (TO-262)	TO-220	0	0.75 x 0.50 x 0.50	.39	.25	.25
40504	WKF	291-H-36AB ℛ	TO-220	1	1.00 x 0.36 x 0.86	.75	.65	.55
107297	✦	PSC2-U (cup-style) ℛ	TO-220	0	1.00 x 0.42 x 0.80	.49	.45	.39
42622	AVD	563002B00000 ℛ	TO-220	1	1.18 x 1.00 x 0.50	.35	.29	.25
129242	JVP	THM6106	TO-220	1	1.18 x 1.00 x 0.50	.65	.55	.45
70915	JVP	THM6106 ℛ	TO-220	2	1.18 x 1.00 x 0.50	.69	.59	.49
326693	JVP	531002B05200 ℛ	TO-220	2	1.38 x 0.50 x 1.00	.89	.79	.69
326713	JVP	531102B02500	TO-220	3	1.38 x 0.50 x 1.50	.99	.79	.65
326765	JVP	531302B02500 ℛ	TO-220/202	3	2.50 x 1.38 x 0.50	1.25	1.09	.89
2033463	AVD	573300D00010G ℛ	TO-263	0	1.03 x 0.50 x 0.40	.85	.75	.65
1933152	AVD	576802B00000G ℛ	TO-220	0	0.50 x 0.50 x 0.75	.45	.39	.35
1115310	AVD	576802B03100G ℛ	TO-220	0	0.75 x 0.50 x 0.52	.45	.39	.35
2029034	AVD	576802B04000G ℛ	TO-220	0	0.75 x 0.50 x 0.50	.49	.45	.39
1115643	AVD	577202B00000G ℛ	TO-220	1	0.52 x 0.50 x 0.75	.29	.25	.22
696600	AVD	507222B00000G ℛ	TO-220	2	1.45 x 1.75 x 0.38	.49	.45	.39
1116460	AVD	7128DG ℛ	TO-220	0	0.86 x 0.38 x 1.18	.89	.79	.69
326684	AVD	566010B03400	TO-218	0	1.00 x 0.50 x 1.22	.89	.79	.69
891464	AVD	593002B03400G ℛ	TO-220	1	1.00 x 0.50 x 1.18	.79	.69	.59
2039099	AVD	7023B-MTG ℛ	TO-220	3	1.90 x 1.95 x 0.95	1.35	1.15	1.05
1116187	AVD	6021PBG ℛ	TO-220	1	1.00 x 0.50 x 1.18	.95	.85	.75
2028162	AVD	7173DG ℛ	TO-220	1	0.75 x 0.75 x 0.38	.49	.45	.39
696765	AVD	7109DG ℛ	TO-263	0	0.76 x 1.00 x 0.45	1.25	1.05	.95
1115432	AVD	576802B03900G ℛ	TO-220	0	0.50 x 0.50 x 0.75	.49	.45	.39
2039793	AVD	529802B02500G ℛ	TO-220	1	1.65 x 1.00 x 1.50	1.39	1.29	1.19
2033009	AVD	7136DG ℛ	TO-220	0	0.52 x 0.52 x 0.85	.75	.65	.59
129226	JVP	For 486 CPUs (adhesive back)		0	1.58 x 1.58 x 0.39	2.95	2.75	2.49

* AVD = Aavid Thermalloy | COM = Comair Rotron | DDI = Diodes Inc. | JVP = Jameco ValuePro | ON = On Semiconductor | TAT = Taitron | TEC = Teccor | VSH = Vishay | WKF = Wakefield | ✦ Mfr. Varies

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

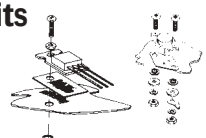
Heat Sink Accessories

Part No.	Mfr. Part No.	Description	1	10	100
1582559	173-7-220P℞	DeltaPAD™ insulator for TO-220	$.39	$.35	$.25
1582575	175-6-240-P℞	KAPTON™ reinforced insulator for TO-220	.29	.25	.22

Heat Sink Mounting Kits

- TO-3 and TO-220 heat sink insulator assemblies
- 10 kits per pack

Part No.	Type	Description	1	10	100
34121	TO-220	5 pcs per kit	$3.95	$3.59	$3.25
34139	TO-3	12 pcs per kit	3.95	3.59	3.25



34121 34139

All Jameco purchases are guaranteed for a full 90 days and even longer for Jameco House Brands.

Heat Sink Compounds

169252 615321 167249 236823

Part No.	*Mfr.	Product No.	Description	1	10	100
1582541	WKF	120-8℞	Silicon oil-based compound 8 oz. jar	$26.95	$24.49	$22.95
169252	TSP	1978DP℞	Silicon free compound 4 oz. tube	25.95	23.95	21.95
615304	GCE	10-8106	Zinc-oxide filled silicon compound 1 lb. can	29.95	26.95	23.95
615312	GCE	10-8108	Zinc-oxide filled silicon compound 6.5g tube	2.95	2.65	2.39
615321	GCE	10-8109	Zinc-oxide filled silicon compound 1 oz. tube	7.95	7.25	6.55
167249	AVD	THM250℞	Silicon based compund 2 oz. tube	8.95	7.95	6.95
236823	JVP	54114℞	Silicon based compund 1 oz. tube	4.95	4.49	3.95

Optoisolators & Optocouplers

Optoisolators

★ Web Code: CAG

✳ Order in multiples of 10

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
40985	✦	4N25	DIP-6	NPN phototransistor output	$.25	$.22	$.19
41005	✦	4N26	DIP-6	NPN phototransistor output	.25	.22	.19
41013	✦	4N28	DIP-6	NPN phototransistor output	.25	.22	.19
41021	✦	4N32	DIP-6	NPN photodarlington output	.25	.22	.19
41030	✦	4N33	DIP-6	NPN photodarlington output	.25	.22	.19
41056	✦	4N35	DIP-6	NPN phototransistor output	.25	.22	.19
671832	✦	4N35S	SOIC-6	General purpose phototransistor	.25	.22	.19
277464	✦	4N36	DIP-6	General purpose phototransistor	✳	.12	.09
320418	✦	CNY17-4	DIP-6	High BVceo phototransistor	.25	.19	.17
138069	✦	ISP817-3	DIP-4	Low power transistor output	.39	.29	.25
114083	✦	ISQ203	DIP-16	High density NPN phototransistor	2.25	1.95	1.75
2099948	OPT	OPI2151	DIP-6	Single NPN phototransistor	.29	.25	.22
320653	✦	PS2501-1	DIP-4	Single NPN phototransistor output	.29	.25	.22
320661	✦	PS2501-2	DIP-8	Dual NPN phototransistor output	.89	.79	.69
160338	✦	PS2501-4	DIP-16	Quad NPN phototransistor output	1.49	1.35	1.19
320688	✦	PS2502-1	DIP-4	Darlington photocoupler	.55	.45	.39
320696	✦	PS2502-2	DIP-8	Dual NPN photodarlington output	1.45	1.29	1.15
160362	✦	PS2502-4	DIP-16	Quad NPN photodarlington output	2.25	1.95	1.75
320709	✦	PS2505-1	DIP-4	NPN phototransistor output	.39	.35	.29
320725	✦	PS2505-4	DIP-16	Quad NPN phototransistor output	2.25	1.95	1.25
320805	✦	PS2532-4	DIP-16	Quad hi collector to emitter voltage	2.49	2.25	1.95
320821	✦	PS2561-2	DIP-8	High isolation voltage photocoupler	.69	.59	.45
672253	✦	MOC206	SOIC-8	Optocoupler phototransistor	.29	.25	.22
26278	✦	MOC3010	DIP-6	Bilateral sw. non-zero crossing triac	.39	.35	.29
698912	FSC	MOC3010M℞	DIP-6	Random phase, triac driver output	.45	.39	.35
95020	✦	MOC3011	DIP-6	Random phase, triac driver output	.45	.39	.35
671859	✦	MOC3012S	SOIC-6	Random phase, triac driver output	.29	.25	.19
277780	✦	MOC3020	DIP-6	Bilateral sw. non-zero crossing triac	.49	.45	.39
95038	✦	MOC3021	DIP-6	Random phase, triac driver output	.55	.49	.45
1261018	LTO	MOC3023S℞	SOIC-6	Random phase, triac driver output	.29	.25	.22
277819	✦	MOC3023	DIP-6	Random phase, triac driver output	.49	.45	.39
113953	✦	MOC3032	DIP-6	Zero-crossing triac driver output	.79	.69	.59
277827	✦	MOC3033	DIP-6	Zero-crossing triac driver output	.69	.59	.49
277835	✦	MOC3041	DIP-6	Zero-crossing, triac driver output	.79	.69	.59
277843	✦	MOC3043	DIP-6	Zero-crossing, triac driver output	.79	.69	.59
277894	✦	MOC3052	DIP-6	Random phase triac driver	.69	.59	.45
133874	✦	MOC3063	DIP-6	Zero-crossing, triac driver output	.75	.65	.55
320629	✦	MOC3082	DIP-6	Zero-crossing, triac driver output	.79	.69	.55
320611	✦	MOC3083	DIP-6	Zero-crossing, triac driver output	.59	.45	.35
2006414	LTO	LTR-5986D	SIP-3	NPN phototransistor/detector	.25	.19	.15
2006406	LTO	LTV-8141S	SMD4	1-Ch. AC input darlington output	.29	.25	.22
273607	NTE	NTE3221	DIP-16	4-channel, NPN transistor output	3.25	2.95	2.75

Optocouplers

★ Web Code: NAK

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
277510	✦	6N135	DIP-8	Hi-speed photodetector transistor	$.65	$.55	$.45
42471	✦	6N136	DIP-8	Hi-speed phototransistor output	.65	.55	.45
113911	✦	6N137	DIP-8	Hi CMR, hi-speed logic gate output	.69	.59	.49
42489	✦	6N138	DIP-8	Hi-speed photodarlington output	.69	.59	.49
113929	✦	6N139	DIP-8	Hi-speed photodarlington output	.89	.69	.52
18825	✦	H11AA1	DIP-6	AC input/phototransistor	.59	.49	.45
320434	✦	H11AA2	DIP-6	AC input phototransistor optocoupler	.59	.49	.35
320451	✦	H11AA4	DIP-6	AC input phototransistor optocoupler	.69	.59	.49
938365	FSC	H11AA4SVM℞	DIP-6	AC input phototransistor (w/ SMD)	.39	.35	.25
113988	✦	H11L1	DIP-6	µPROC compatible Schmitt trigger	.59	.49	.45
871341	FSC	H11L1M℞	DIP-6	Logic output	.65	.55	.49
1549441	AVT	HCPL-060L-000E℞	SOIC-8	Hi-speed LVTTL compatible 3.3V opto	1.75	1.35	1.09
1549644	AVT	HCPL-063N	SOIC-8	Dual ch. high CMR, 10MBd, HCMOS compat.	5.95	5.49	4.49
1549530	AVT	HCPL-0630-000E℞	SOIC-8	Dual ch. high CMR, hi-spd TTL compat. opto.	3.75	3.05	2.75
1549732	AVT	HCPL-0710	SOIC-8	40ns propagation delay, CMOS	3.49	2.95	2.75
1549741	AVT	HCPL-0710-000E℞	SOIC-8	40ns propagation delay, CMOS	3.85	3.45	3.15
1549839	AVT	HCPL-0731	SOIC-8	Dual ch. low input current, high gain	2.75	2.49	2.25
1550047	AVT	HCPL-2232	DIP-8	Dual ch. very high CMR, wide Vcc logic gate	6.95	6.69	6.29
785821	FSC	HCPL2631S℞	SOIC-8	Dual ch. high speed 10mbit/s logic gate	1.49	1.25	.95
1584221	AVT	HCPL-7710-000E℞	DIP-8	40ns propogation delay, CMOS	2.95	2.75	2.49
1584239	AVT	HCPL-7710-300E℞	DIP-8	40ns propogation delay, CMOS	2.95	2.75	2.49
1584247	AVT	HCPL-7800-300	SOIC-8	Isolation amplifier optocoupler	5.95	5.25	4.75
1584255	AVT	HCPL-7800A#300	DIP-8	Isolation amplifier optocoupler	8.95	6.95	5.95
1584263	AVT	HCPL-7800A-300E℞	SOIC-8	Isolation amplifier optocoupler	8.95	7.95	6.95
320477	✦	MCT2	DIP-6	Phototransistor optocoupler	.35	.29	.25
24918	✦	MCT6	DIP-8	High density NPN phototransistor	.59	.49	.45
672317	✦	MCT61℞	DIP-8	Dual channel NPN phototransistor	.39	.29	.25
672325	✦	MCT62	DIP-8	Dual channel NPN phototransistor	.59	.49	.39
2006385	LTO	LTV-814H	DIP-4	Phototransistor output, AC input	.25	.22	.19
1996330	LTO	LTV-824S	SOIC-8	Opto phototransistor	.39	.35	.25
790735	LTO	LTV-824℞	DIP-8	Opto phototransistor	.55	.45	.39
2006393	LTO	LTV-826	DIP-8	Phototransistor output	.35	.29	.25
878286	LTO	LTV-847℞	DIP-16	Quad ch. phototransistor output	.79	.69	.59
1583156	CLA	PD2401℞	DIP-16	AC solid st. sw. w/ dual pwr SCR output	5.75	5.25	4.49
1583199	CLA	TS117S℞	SOIC-8	1-Form-A relay optocoupler	1.75	1.45	1.25
1583228	AVT	5962-8876901PC	DIP-8	2-ch., low IF, wide Vcc, logic gate	79.95	69.95	59.95

Slotted Optical Switches

4-pin w/ tab 4-pin angled

★ Web Code: XAP

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
114091	✦	H21A1	4-pin w/ tab	Single channel, 20mA (Ic)	$.69	$.59	$.49
320901	✦	H21A3	4-pin w/ tab	Single channel, 20mA (Ic)	.99	.79	.69
278096	✦	H21B3	4-pin w/ tab	Photodarlington optical interrupter	.89	.69	.55
2078282	SIE	IRLA075	4-pin w/ tab	Single channel, 50mA (Ic)	.79	.59	.49
1069835	FSC	QRB1114℞	4-pin angled	Infrared phototransistor	.99	.89	.69

* AVD = AAvid Thermalloy | AVT = Avago | CLA = Clare | FSC = Fairchild | GCE = GC Electronics | JVP = ValuePro | LTO = Lite On | NTE = NTE Elec. | OPT = Optek | SIE = Siemens | TSP = Tech Spray | WKF = Wakefield

℞ RoHS compliant product ✦ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

1.90mm (.075") Subminiature LEDs

Flat-Top or Dome Style

Flat Top

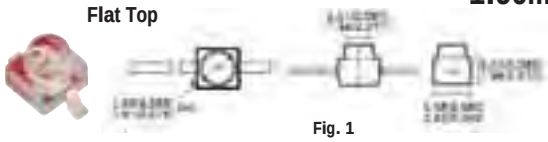


Fig. 1

★ *Web Code: SML*

Dome

Fig. 2

Part No.	Mfr. Part No.	*Mfr.	Fig.	Emitting Color	Lens/Feature Description	Typical Vf @ If	Iv Typical mcd @ mA	Wavelength (nm)	Viewing Angle°	Pricing 1	10	100	500
1555690	HLMP-P205-F0011ℛ	AVT	1	Hi-eff. Red	Non-diffused, untinted	1.8 @ 10	8 @ 10	635	125	$.49	$.45	$.35	$.29
1555817	HLMT-PH00-P0011ℛ	AVT	1	Red Orange	Non-diffused, untinted	2 @ 20	120 @ 20	621	125	.49	.45	.35	.29
1555711	HLMP-P505-G0011ℛ	AVT	1	Hi-perf. Green	Non-diffused, untinted	2.1 @ 10	6.3 @ 10	565	125	.45	.39	.29	.25
1584976	HLMP-Q156-H0021ℛ	AVT	2	Red	Non-diffused, untinted	1.6 @ 0.5	7 @ 0.5	654	15	.49	.45	.35	.29
1584968	HLMP-Q106-R0011ℛ	AVT	2	Red	Non-diffused, untinted	1.9 @ 20	400 @ 10	654	15	.49	.45	.35	.29
1555219	HLMP-7000ℛ	AVT	2	Hi-eff. Red	Diffused, tinted	1.8 @ 10	1 @ 2	635	90	.45	.39	.29	.25
1584802	HLMP-7019ℛ	AVT	2	Yellow	Diffused, tinted	2 @ 10	0.6 @ 2	583	90	.45	.35	.25	.19
334406	LY9033ℛ	JVP	2	Yellow	Water clear	1.7 @ 20	30 @ 10	585	20	.39	.29	.19	.15
1555059	HLMP-6500-F0010ℛ	AVT	2	Hi-perf. Green	Diffused, tinted (right angle housing)	2.1 @ 10	7 @ 10	565	90	.49	.39	.29	.25
1555104	HLMP-6505-L0021ℛ	AVT	2	Hi-perf. Green	Non-diffused, untinted	2.1 @ 10	40 @ 10	565	28	.45	.35	.25	.19
1584790	HLMP-6820ℛ	AVT	2	Hi-perf. Green	Diffused, with resistor	5 @ 4	2 @ 5	565	90	.55	.49	.45	.39

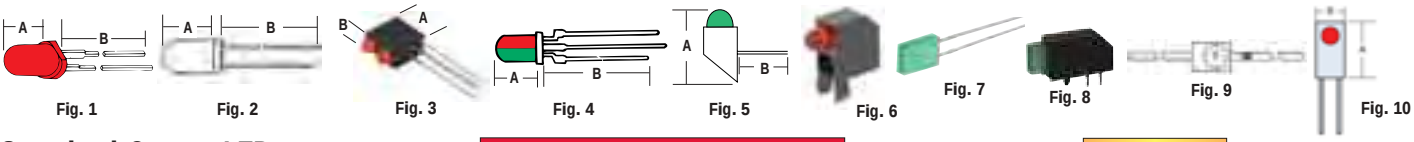


Fig. 1 Fig. 2 Fig. 3 Fig. 4 Fig. 5 Fig. 6 Fig. 7 Fig. 8 Fig. 9 Fig. 10

Standard-Output LEDs

See page 30 for LED Mounting Hardware

★ *Web Code: FAF*

✳ Order in multiples of 10

Part No.	Product No.	*Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing 1	10	100	1000
26745	MCDL-170ECℛ	MCD	9	Red	Water clear	T ¾	0.065/1.7	0.06	0.35	—	2.0	7	635	100	$.39	$.35	$.29	$.25
1869437	MPG22625S	STA	9	Green	Green diffused	T ¾	0.065/1.7	0.06	0.35	—	2.1	16	567	60	.35	.29	.25	.19
202471	MVL-301HR	UNI	1	Red	Red diffused	T1	0.119/3	0.14	1.12	0.10	2.0	9.0	640	40	✳	.10	.08	.06
253278	HLMP-1301	FSC	1	Red	Red diffused	T1	0.119/3	0.19	1.00	0.10	1.9	5.4	635	60	✳	.11	.09	.07
152785	LT0341R-41ℛ	LED	1	Red	Red diffused	T1	0.119/3	0.20	0.89	0.10	2.1	15.5	635	56	✳	.10	.08	.06
333851	UT6371-41-M1ℛ	JVP	1	Red	Red diffused	T1	0.119/3	0.17	0.98	0.10	1.7	63	660	47	✳	.12	.10	.08
94529	LH2040ℛ *	JVP	1	Red	Red diffused (XC209RB)	T1	0.119/3	0.18	1.04	0.07	2.3	4.5	697	36	✳	.10	.08	.06
136282	LA44B/2Iℛ	JVP	3	Red	Red diffused (right angle) .60" LDS	T1	0.119/3	0.38	0.17	0.10	1.7	12	635	50	.35	.29	.25	.19
1554099	HLMP-1700-B0002ℛ	AVT	1	Red	Red tinted/diffused	T1	0.119/3	0.19	0.95	0.10	1.7	0.8	635	50	.25	.22	.19	.17
1554110	HLMP-1700-B00A2ℛ	AVT	10	Red	Red tinted/difused (right angle)	T1	0.119/3	0.19	0.95	0.10	1.7	0.8	635	50	.49	.45	.39	.35
152751	LT0344R-41ℛ	LED	1	Red	Red clear	T1	0.119/3	0.20	0.89	0.10	2.1	52.9	635	36	✳	.10	.08	.06
2081991	XLUR40W	✦	2	Red	Water clear	T1	0.119/3	0.197	1.063	0.10	1.9	59	627	50	✳	.10	.08	.06
333171	HLMP-K155-JVℛ	JVP	2	Red	Red clear	T1	0.119/3	0.19	1.04	0.10	1.6	3.0	660	45	✳	.11	.09	.07
333260	LHR2643ℛ	JVP	1	Red	Water clear	T1	0.119/3	0.13	0.98	0.10	1.5	300	660	40	✳	.11	.09	.07
114673	LH2043ℛ *	JVP	1	Red	Water clear (BR209)	T1	0.119/3	0.14	0.98	0.07	2.3	12	697	30	✳	.10	.08	.06
206498	LHR2041ℛ	JVP	1	Red	Red transparent	T1	0.119/3	0.17	0.69	0.08	2.0	350	660	30	✳	.15	.12	.10
697565	LTL-4211Nℛ	LTO	1	Bright Red	Red diffused	T1	0.118/3	0.175	1.00	0.10	2.1	4.4	697	60	✳	.09	.07	.06
697590	LTL-4221Nℛ	LTO	1	Hi-eff Red	Red diffused	T1	0.118/3	0.175	1.00	0.10	2.0	8.7	635	60	✳	.11	.09	.07
2006713	LTL-161CE	LTO	1	Hi-eff Red	Red diffused, flanged	T1	0.118/3	0.21	1.07	0.10	2.0	12.6	621	60	✳	.12	.10	.08
1553838	HLMP-1301-E00A1ℛ	AVT	10	Hi-eff Red	Red diffused, PCB (right angle)	T1	0.119/3	0.19	0.95	0.10	1.9	3.4	635	60	.45	.39	.35	.29
2081932	BVL-300E5Dℛ	✦	2	OrangeRed	Red diffused	T1	0.119/3	0.17	1.00	0.10	2.1	18	622	45	✳	.09	.06	.05
94553	LHG2062ℛ	JVP	1	Red/Green	White diffused bi-color/bi-state[1]	T1	0.119/3	0.18	1.06	0.08	2.3	3 & 15	697/565	36	✳	.19	.15	.12
1766366	4301F1/5ℛ	CML	2	Red/Green	White diffused bi-color	T1	0.119/3	0.175	1.00	0.10	2.1	13/4	660/565	60	.59	.55	.49	.45
156946	LT0362-25-D61ℛ	LED	4	Red/Green	White diffused bi-color/tri-state	T1	0.119/3	0.16	0.87	0.08	2.1	2.7/13.3	700/567	50	✳	.19	.15	.12
235424	LA45B/2Iℛ	JVP	3	Red/Red	Red diffused (right angle)	T1	0.119/3	0.40	0.18	0.10	1.7	12	630	50	.35	.29	.25	.19
235416	LA45B/2Gℛ	JVP	6	Green/Green	Green diffused (dual)	T1	0.119/3	0.40	0.18	0.10	1.7	15	565	50	.35	.29	.25	.19
156937	LT0331-41	LED	1	Yellow	Yellow diffused	T1	0.119/3	0.20	0.95	0.10	2.1	11	585	56	✳	.12	.10	.08
333219	LY12340ℛ	JVP	1	Yellow	Yellow diffused	T1	0.119/3	0.13	0.98	0.10	1.7	6.5	585	112	✳	.10	.08	.06
697688	LTL-4251Nℛ	LTO	2	Yellow	Yellow diffused	T1	0.118/3	0.175	1.00	0.10	2.1	5.6	585	60	✳	.11	.09	.07
202489	MVL-301Y	UNI	2	Yellow	Yellow diffused	T1	0.118/3	0.20	1.10	0.10	2.1	9.0	585	40	✳	.12	.10	.08
34657	LY2040ℛ *	JVP	1	Yellow	Yellow diffused (XC209Y)	T1	0.119/3	0.16	0.68	0.08	2.3	15	585	36	✳	.12	.10	.08
334211	LA16BYℛ	JVP	10	Yellow	Yellow diffused (right angle)	T1	0.119/3	0.29	0.18	0.10	1.7	12	585	50	✳	.19	.15	.12
2006721	LTL-14CDJLDL	LTO	1	Yellow/Green	White diffused bi-color, flanged	T1	0.119/3	0.19	1.35	0.10	2.1	8.7/12.6	585/565	80	✳	.19	.15	.12
2006705	LTL-1CHYE	LTO	1	Yellow	Water clear, flanged	T1	0.119/3	0.21	1.07	0.10	2.1	40	585	45	✳	.08	.06	.05
2082003	XLUY40W	✦	2	Yellow	Water clear	T1	0.119/3	0.197	1.063	0.10	1.95	19	590	50	✳	.10	.08	.06
206480	LVY2041ℛ	JVP	1	Yellow	Yellow transparent	T1	0.119/3	0.17	0.69	0.08	2.3	450	595	30	✳	.12	.10	.08

*10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 30 [1] Reverse polarity to change color

* AVT = Avago | CML = CML Innovative | FSC = Fairchild Semi | JVP = Jameco ValuePro | LED = Ledtech | LTO = Lite On | MCD = MCD Electronics | STA = Stanley | UNI = Unity Opto | ✦ Manufacturer Varies

★ *For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Optos

Standard-Output LEDs (Continued)

Figure images on previous page

★ Web Code: FAF

✳ Order in multiples of 10

Part No.	Product No.	*Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
2006676	LTL-42DINMHDPI℞	LTO	3	Green/Yellow	Gr/yel diffused (rt. angle) .13" LDS	T1	0.119/3	0.38	0.17	0.10	2.1	12/6	565/585	60	✳	$.19	$.15	$.12
333201	LG12340℞	JVP	1	Green	Green diffused	T1	0.119/3	0.13	0.98	0.10	1.7	9.6	565	112	✳	.12	.10	.08
253631	HLMP-1503℞	FSC	1	Green	Green diffused	T1	0.119/3	0.19	1.00	0.10	2.1	1.0	565	60	✳	.12	.10	.08
156930	LT0321-41-HE℞	LED	1	Green	Green diffused	T1	0.118/3	0.16	0.88	0.10	2.1	32	567	56	✳	.15	.12	.10
211086	LTL-4231N-022	LTO	2	Green	Green diffused	T1	0.119/3	0.13	1.10	0.10	2.1	12.6	565	40	✳	.08	.06	.05
1956602	LTL4231N	LTO	1	Green	Green diffused	T1	0.118/3	0.175	1.00	0.10	2.1	12.6	565	60	✳	.10	.08	.06
697637	LTL-4231N℞	LTO	2	Green	Green diffused	T1	0.118/3	0.175	1.00	0.10	2.1	12.6	565	60	✳	.12	.10	.08
34606	LSG2040℞ *	JVP	1	Green	Green diffused (XC209G)	T1	0.119/3	0.13	1.05	0.08	2.2	15	560	50	✳	.15	.12	.10
136274	LA44B/2G℞	JVP	3	Green	Green diffused (rt. angle) .60" LDS	T1	0.119/3	0.38	0.17	0.10	2.3	15	565	50	.39	.35	.25	.19
1554144	HLMP-1790-A0002℞	AVT	1	Green	Green tinted/diffused	T1	0.119/3	0.19	0.95	0.10	1.9	2.3	565	50	.29	.25	.22	.19
175679	LVG2041℞	JVP	1	Green	Green transparent	T1	0.119/3	0.17	0.69	0.08	2.2	129	565	30	✳	.11	.09	.07
253665	HLMP-1540℞	FSC	1	Green	Water clear	T1	0.119/3	0.19	1.00	0.10	45	2.2	565	45	✳	.12	.10	.08
2081983	XLUG40W	✦	1	Green	Water clear	T1	0.119/3	0.197	0.63	0.10	2.0	69	565	50	✳	.10	.08	.06
333315	MV7441-JV℞	LIG	1	Green	Water clear	T1	0.119/3	0.13	0.98	0.10	1.7	120	565	40	✳	.12	.10	.08
114681	LVG2043℞ *	JVP	1	Green	Water clear (BG209)	T1	0.119/3	0.14	0.98	0.07	2.2	129	565	30	✳	.11	.09	.07
137411	LVB2040℞	JVP	1	Blue	Blue diffused	T1	0.119/3	0.21	0.98	0.10	4.8	10	430	50	.89	.79	.69	.59
334457	LSBI2640℞	JVP	2	Blue	Blue diffused	T1	0.119/3	0.17	0.98	0.10	3.8	50	430	40	.89	.79	.69	.59
333383	UT63B1-41-M1A2℞	JVP	2	Blue	Blue diffused	T1	0.119/3	0.17	0.98	0.10	3.8	50	466	54	.49	.45	.35	.29
333973	UT1871-81-M1℞	JVP	1	Red	Red diffused	T1 ¾	0.197/5	0.34	0.98	0.10	1.7	75	660	25	✳	.12	.10	.08
334035	UT1871-81-UR-P18	JVP	1	Red	Red diffused	T1 ¾	0.197/5	0.334	0.94	0.10	1.9	250	660	25	✳	.15	.12	.10
1766471	4304H1℞	CML	1	Red	Red diffused	T1 ¾	0.197/5	0.331	0.945	0.10	2.0	6.3	650	65	✳	.19	.15	.12
253753	HLMP-3301℞	FSC	1	Red	Red diffused	T1 ¾	0.197/5	0.36	1.00	0.10	2.4	5.4	635	60	✳	.15	.12	.10
242844	LT1811-81℞	LED	1	Red	Red diffused	T1 ¾	0.197/5	0.30	0.88	0.10	2.1	4.1	700	44	✳	.12	.10	.08
302033	LT1814-81	LED	1	Red	Red clear	T1 ¾	0.197/5	0.34	0.88	0.10	2.1	10	650	10	✳	.10	.08	.06
333489	LUR3330/HO/A℞	JVP	1	Red	Red diffused	T1 ¾	0.197/5	0.34	0.98	0.10	1.5	380	660	40	✳	.19	.15	.12
94511	LH3330℞	JVP	1	Red	Red diffused (XC556RB)	T1 ¾	0.197/5	0.31	0.81	0.08	2.3	3	697	36	✳	.15	.12	.10
104248	LA93B/H-1℞ *	JVP	5	Red	Red diffused (XC410R)	T1 ¾	0.197/5	0.35	0.89	0.08	2.3	6.5	697	46	.25	.21	.19	.15
34690	LFH3360℞ *	JVP	1	Red	Red diff. blinking (XC5410) [2]	T1 ¾	0.197/5	0.30	0.94	0.07	3-12	2.8	697	—	.39	.35	.29	.25
1554865	HLMP-4700-C00B2℞	AVT	5	Red	Red tinted/diffused	T1 ¾	0.197/5	0.36	1.05	0.10	1.7	2.3	626	50	.59	.55	.49	.45
34745	LH3333℞	JVP	1	Red	Water clear (XC554R)	T1 ¾	0.197/5	0.30	1.00	0.08	2.3	7.5	697	20	✳	.15	.12	.10
2006756	LTL-5224	LTO	1	Hi-eff Red	Water clear, low profile, flanged	T1 ¾	0.197/5	0.24	1.01	0.10	2.0	29	623	44	✳	.12	.10	.08
334378	UT1841R-81℞	JVP	1	Hi-eff Red	Red diffused	T1 ¾	0.197/5	0.34	0.98	0.10	2.1	23.1	630	44	✳	.12	.10	.08
697602	LTL-4223℞	LTO	1	Hi-eff Red	Red diffused	T1 ¾	0.197/5	0.34	1.00	0.10	2.0	19	635	36	✳	.11	.09	.07
697522	LTL-307E℞	LTO	2	Hi-eff Red	Red diffused	T1 ¾	0.197/5	0.34	0.9	0.10	2.0	19	635	50	✳	.11	.09	.07
2006692	LTL-10224WHCR	LTO	6	Hi-eff Red	Red diffused w/ plastic case	T1 ¾	0.197/5	0.44	0.49	0.10	2.0	60	635	30	✳	.19	.15	.12
790081	LTL-10223W℞	LTO	2	Hi-eff Red	Red diffused, flangeless	T1 ¾	0.187/4.75	0.283	1.00	0.10	2.0	60	623	60	✳	.11	.09	.07
2006730	LTL-307E-3	LTO	1	Hi-eff Red	Red diffused, flanged	T1 ¾	0.197/5	0.34	0.87	0.10	2.0	12.6	635	40	✳	.10	.08	.06
334271	LA93B/I℞	JVP	5	Hi-eff Red	Red diffused PCB mnt indicators	T1 ¾	0.197/5	0.36	0.15	0.10	1.7	25	635	46	.29	.25	.19	.15
697611	LTL-4224℞	LTO	1	Hi-eff Red	Red transparent	T1 ¾	0.197/5	0.34	1.00	0.10	2.0	90	635	16	✳	.09	.07	.06
697573	LTL-4213℞	LTO	1	Bright Red	Red diffused	T1 ¾	0.197/5	0.34	1.00	0.10	2.1	3.7	697	36	✳	.11	.09	.07
790225	LTL-307P℞	LTO	2	Bright Red	Red diffused	T1 ¾	0.197/5	0.34	0.90	0.10	2.1	5.6	697	50	✳	.11	.09	.07
334174	LHI3360℞	JVP	4	Red/Orange	Red diffused bi-color/solid state [1]	T1 ¾	0.197/5	0.34	0.98	0.10	1.7	2 & 3	697/635	30	✳	.19	.15	.12
34711	LEG3362℞ *	JVP	1	Red/Green	White diffused bi-color/bi-state [1]	T1 ¾	0.197/5	0.30	1.01	0.09	2.3	7.5	635/565	30	✳	.19	.15	.12
334182	LGH3362℞	JVP	4	Red/Green	White diff. bi-color/solid state [1]	T1 ¾	0.197/5	0.34	0.98	0.10	1.7	2 & 8	697/565	30	✳	.19	.15	.12
34673	LHG3392℞ *	JVP	4	Red/Green	White diff. bi-color/tri-state [1]	T1 ¾	0.197/5	0.30	1.02	0.03	2.3	3 & 12	697/565	70	✳	.19	.15	.12
1584773	HLMP-4000S010℞	AVT	5	Hi-eff Red/Grn	Diffused, bi-color	T1 ¾	0.197/5	0.36	1.05	0.10	2.2/1.9	4.2/2.1	568/635	65	.79	.69	.59	.49
697557	LTL-30EFJ℞	LTO	4	Bright Red/Grn	White diffused, bi-color	T1 ¾	0.197/5	0.41	0.945	0.10	2.1/2.1	5.6/19	697/565	30	.39	.35	.29	.25
152857	LT1841R-81-R℞	LED	1	Orange Red	Red diffused	T1 ¾	0.197/5	0.34	0.89	0.10	2.1	23	635	44	✳	.15	.12	.10
210825	BVU-5M1QN1	BVO	2	Orange Red	Red diffused	T1 ¾	0.197/5	0.30	1.00	0.10	2.1	465	615	30	✳	.10	.08	.06
107393	LE3330℞	JVP	1	Orange Red	Orange diffused (XC556A)	T1 ¾	0.197/5	0.30	1.02	0.08	2.3	12	635	36	✳	.11	.09	.07
697696	LTL-4253℞	LTO	1	Yellow	Yellow diffused	T1 ¾	0.197/5	0.34	1.00	0.10	2.1	19	585	36	✳	.11	.09	.07
334108	UT1831-81-S℞	JVP	1	Yellow	Yellow diffused	T1 ¾	0.197/5	0.34	0.98	0.10	2.1	16.4	589	44	✳	.12	.10	.08
333622	LHY3330/HO℞	JVP	1	Yellow	Yellow diffused	T1 ¾	0.197/5	0.34	0.98	0.10	1.7	350	595	40	✳	.15	.12	.10
697549	LTL-307Y℞	LTO	2	Yellow	Yellow diffused	T1 ¾	0.197/5	0.34	0.90	0.10	0.1	29	585	50	✳	.12	.10	.08
34825	LY3330℞ *	JVP	1	Yellow	Yellow diffused (XC556Y)	T1 ¾	0.197/5	0.30	0.82	0.07	2.3	12	585	36	✳	.15	.12	.10
104264	LA93B/Y-1℞	JVP	5	Yellow	Yellow diffused (XC410Y)	T1 ¾	0.197/5	0.35	0.89	0.08	2.3	25	585	46	.25	.21	.19	.16
1995927	LTL-10253℞	LTO	1	Yellow	Yellow diffused, flanged	T1 ¾	0.187/4.75	0.283	1.00	0.10	2.1	12.6	585	60	✳	.10	.08	.06
790381	LTL-553-11℞	LTO	5	Yellow	Yellow diffused, right angle PCB	T1 ¾	0.189/4.8	0.37	0.32	0.10	2.1	12.6	585	60	✳	.15	.12	.10

*10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 30 [1] Reverse polarity to change color [2] Volt. shown is operating volt. range; no current limiting resistor required.

Standard-Output LEDs continued on next page

* AVT = Avago Technology | BVO = BV Optotech | CML = CML Innovative | FSC = Fairchild Semi | JVP = Jameco ValuePro | LED = Ledtech | LIG = Ligitek | LTO = Lite-On | ✦ Mfr. Varies

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Standard-Output LEDs (Continued)

Figure images on page 25

★Web Code: FAF

✳ Order in multiples of 10

Part No.	Product No.	*Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
152831	LT1831-81-URℛ	LED	1	Bright yellow	Yellow diffused	T1 ¾	0.197/5	0.34	0.89	0.10	2.0	424	593	41	$.39	$.35	$.25	$.19
1554603	HLMP-3401-E00B2ℛ	AVT	5	Amber	Amber diffused	T1 ¾	0.197/5	0.36	1.05	0.10	2.0	5.7	583	60	.49	.45	.39	.35
697653	LTL-4233ℛ	LTO	1	Green	Green diffused	T1 ¾	0.197/5	0.40	1.00	0.10	2.1	19	565	36	✳	.10	.08	.06
693901	MCDL-5013GDℛ	MCD	1	Green	Green diffused	T1 ¾	0.197/5	0.34	1.04	0.10	2.1	12.5	565	60	✳	.09	.07	.055
697531	LTL-307Gℛ	LTO	1	Green	Green diffused	T1 ¾	0.197/5	0.34	1.00	0.10	2.1	19	565	50	✳	.10	.08	.06
152822	LT1821-81-HEℛ	LED	1	Green	Green diffused	T1 ¾	0.197/5	0.34	0.89	0.10	2.1	96	567	41	✳	.19	.15	.12
253833	HLMP-4740ℛ	FSC	1	Green	Green diffused	T1 ¾	0.197/5	0.36	1.00	0.10	2.2	2.3	565	50	✳	.15	.12	.10
334086	LG13740ℛ	JVP	1	Green	Green diffused	T1 ¾	0.197/5	0.34	0.98	0.10	1.7	20	565	68	✳	.10	.08	.06
34761	LG3330ℛ *	JVP	1	Green	Green diffused (XC556G)	T1 ¾	0.197/5	0.31	0.79	0.09	2.3	12	565	36	✳	.15	.12	.10
104256	LA93B/G-1ℛ *	JVP	5	Green	Green diffused (XC410G)	T1 ¾	0.197/5	0.35	0.89	0.08	2.3	30	565	46	✳	.19	.15	.12
790090	LT-10233Wℛ	LTO	1	Green	Green diffused, flangeless	T1 ¾	0.187/4.75	0.28	1.0	0.10	2.1	40	569	60	✳	.12	.10	.08
94561	LFG3360ℛ	JVP	1	Green	Green diffused blinking (XC5408)	T1 ¾	0.197/5	0.30	1.05	0.08	3-12	17	565	20	.39	.35	.29	.25
1554881	HLMP-4740-A00B2ℛ	AVT	5	Green	Green tinted/diffused	T1 ¾	0.197/5	0.36	1.05	0.10	1.9	2.3	569	50	.49	.45	.39	.35
175687	LT0524-81	LED	1	Green	Green transparent	T1 ¾	0.197/5	0.24	1.07	0.07	2.1	44	567	30	✳	.10	.08	.06
697661	LTL4234ℛ	LTO	1	Green	Green transparent	T1 ¾	0.197/5	0.34	1.00	0.10	2.1	60	565	16	✳	.08	.06	.05
333956	LG3331ℛ	JVP	1	Green	Green transparent	T1 ¾	0.197/5	0.34	0.98	0.10	1.7	150	565	20	✳	.10	.08	.06
156962	LT1823-81-HEℛ	LED	1	Green	Water clear	T1 ¾	0.197/5	0.34	0.87	0.10	2.1	500	567	19	✳	.12	.10	.08
11359	LG3333ℛ	JVP	1	Green	Water clear (BG5704)	T1 ¾	0.197/5	0.30	1.04	0.07	2.3	100	565	20	✳	.10	.08	.06
790321	LTL4238ℛ	LTO	1	Green	Water clear	T1 ¾	0.197/5	0.34	1.00	0.10	2.1	90	565	16	✳	.12	.10	.08
333227	LG13530ℛ	JVP	2	Hi-eff green	Green diffused (flangeless)	T1 ¾	0.197/5	0.34	0.98	0.10	1.7	25	565	70	✳	.10	.09	.07
138691	LVB3330ℛ	JVP	1	Blue	Blue diffused	T1 ¾	0.197/5	0.34	0.98	0.10	4.8	10	430	36	.99	.89	.75	.69
2006764	LTL-2R3CBD3ℛ	LTO	1	Blue	Blue diffused, flanged	T1 ¾	0.197/5	0.34	0.87	0.10	3.5	50	468	45	.49	.39	.29	.25
137613	LSBI3333ℛ	JVP	1	Blue	Water clear	T1 ¾	0.197/5	0.34	0.98	0.08	3.8	160	430	15	.99	.89	.75	.69
119634	LHR3930ℛ	JVP	1	Red	Red diffused Jumbo (LT9952L)	T2 ½	0.315/8	0.44	0.84	0.07	2.0	100	660	44	✳	.19	.15	.12
138683	LHR3630ℛ	JVP	2	Red	Red diffused XJumbo (XC10R)	T3 ¼	0.394/10	0.40	1.04	0.10	2.0	100	660	32	.29	.25	.19	.15
98984	LVG3630ℛ	JVP	1	Green	Green diffused XJumbo (XC10G)	T3 ¼	0.394/10	0.40	1.07	0.08	2.3	40	565	32	.29	.25	.19	.15
104889	LEG5292	JVP	7	Red/Green	White diff. bi-color rectangular[1]	2x5mm	—	0.27	1.02	0.08	2.3	6/6	695/565	116	.29	.25	.19	.15
790356	LTL-433Gℛ	LTO	7	Green	Green diffused, rectangular	2x5mm	—	0.30	1.00	0.10	2.1	3.7	565	140	✳	.10	.08	.07
320282	566-0306	DIA	8	Yellow	Yellow diffused, rectangular	2x5mm	15x4x7mm	0.28	0.11	0.10	2.1	3.5	583	110	.29	.25	.19	.15
320274	566-0206	DIA	8	Green	Green diffused, rectangular	2x5mm	15x4x7mm	0.28	0.11	0.10	2.2	4	565	110	.39	.35	.25	.19
320291	566-0406	DIA	8	Red	Red diffused, rectangular	2x5mm	15x4x7mm	0.28	0.11	0.10	2.0	7.4	635	140	.39	.35	.25	.19

*10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 30 [1] Reverse polarity to change color

Medium-Output LEDs

★Web Code: MBW

Fig. 1

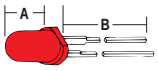
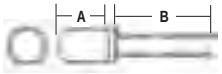


Fig. 2



✳ Order in multiples of 10

Part No.	Product No.	*Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
156954	LT0373-41ℛ	LED	1	Red Super Bright	Water clear	T1	0.119/3	0.21	1.07	0.08	1.7	600	660	46	✳	$.19	$.15	$.12
333340	LHE2643ℛ	JVP	1	Orange	Water clear	T1	0.119/3	0.13	0.98	0.10	1.7	700	620	40	✳	.17	.15	.12
333307	LUY2643-1ℛ	JVP	1	Yellow	Water clear	T1	0.197/5	0.13	0.98	0.10	1.7	900	595	40	.35	.29	.25	.19
98968	QLMP-LB98	AVT	2	Blue	Blue clear (oval)	T1	0.119/3	0.28	0.94	0.10	3.2	550	470	70	.39	.35	.29	.19
334749	UT63B3-41-UR33ℛ	JVP	1	Blue	Water clear	T1	0.119/3	0.17	0.94	0.10	3.2	900	470	45	.79	.69	.59	.49
334764	CMD204UWC-JVℛ	JVP	1	White	Water clear	T1	0.119/3	0.20	1.00	0.10	3.7	900	475	30	.99	.89	.75	.65
11797	QLMP-D141	FSC	1	Red	Water clear	T1 ¾	0.197/5	0.29	1.05	0.07	2.0	350	660	8	✳	.19	.15	.12
333497	LSR13233ℛ	JVP	1	Red	Water clear	T1 ¾	0.197/5	0.35	0.98	0.10	1.5	720	660	18	✳	.19	.15	.12
2077052	HLMP-ED31	AGT	2	Red	Water clear	T1 ¾	0.197/5	0.34	0.94	0.10	2.0	1000	630	30	✳	.15	.12	.09
206519	LHR3331ℛ	JVP	1	Red	Red transparent	T1 ¾	0.197/5	0.24	1.07	0.07	2.0	660	550	20	✳	.19	.15	.12
152864	BVU501SR4	JVP	1	Red Super Bright	Water clear	T1 ¾	0.197/5	0.34	0.89	0.10	1.9	600	660	20	✳	.12	.10	.08
351089	MCDL-517URD-Fℛ	JVP	1	Super Red	Red diffused blinking	T1 ¾	0.197/5	0.34	1.00	0.10	1.8	500	660	120	.49	.45	.39	.35
333631	LUE13733ℛ	JVP	1	Orange	Water clear	T1 ¾	0.197/5	0.34	0.98	0.10	1.7	700	620	25	.29	.25	.21	.19
152792	LT1833-81- M1ℛ	LED	1	Yellow	Water clear	T1 ¾	0.197/5	0.34	0.89	0.10	2.1	1040	593	19	.29	.25	.19	.15
206501	LVY3331ℛ	JVP	1	Yellow	Yellow transparent	T1 ¾	0.197/5	0.24	1.07	0.07	2.2	700	595	20	✳	.19	.15	.12
153154	LVG3333ℛ	JVP	1	Green	Water clear (HLMP-8509)	T1 ¾	0.197/5	0.36	0.90	0.10	2.3	500	565	20	✳	.15	.12	.10
333551	LVG13233ℛ	JVP	1	Green	Water clear	T1 ¾	0.197/5	0.35	0.98	0.10	1.7	600	565	18	✳	.19	.15	.12
134333	383UBC/H2ℛ	JVP	1	Blue	Water clear	T1 ¾	0.197/5	0.34	1.00	0.10	3.8	630	428	30	1.49	1.35	1.19	1.09
334465	LDBK3331/H0ℛ	JVP	1	Blue	Blue transparent	T1 ¾	0.197/5	0.34	0.98	0.10	3.5	900	470	26	.89	.79	.65	.59
1555331	HLMP-CB30-M0000ℛ	AVT	1	Blue	Blue non-diffused	T1 ¾	0.197/5	0.34	1.00	0.10	3.8	520	470	30	1.09	.89	.75	.65

* AGT = Agilent | AVT = Avago Technology | DIA = Dialight | FSC = Fairchild Semi | JVP = Jameco ValuePro | LED = Ledtech | LTO = Lite-On | MCD = MCD Electronics

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

High-Output LEDs

• Typical DC forward current 20mA

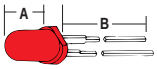


Fig. 1

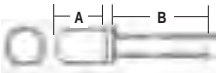


Fig. 2

Fig. 3 (Piranha)

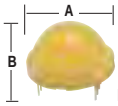


Fig. 4

★ Web Code: RBJ

✳ Order in multiples of 10

Part No.	Product No.	*Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
98950	QLMP-LM98	AVT	2	Green	Green clear (oval)	T1	0.119/3	0.28	0.94	0.10	3.2	2400	525	70	✳	$.19	$.15	$.12
217525	MCDPW-3004C℞	JVP	2	White	Water clear	T1	0.119/3	0.18	1.00	0.10	3.8	3000	—	30	1.39	1.25	1.09	.99
197641	BVT-529TT8E	JVP	2	Yellow	Yellow clear (oval)	T1 ½	0.178/4.5	0.29	1.09	0.08	2.3	3600	592	70	.59	.49	.39	.35
2006801	LTL-2H3VAKNT℞	LTO	1	Red	Water clear, flanged	T1 ¾	0.197/5	0.34	0.87	0.10	2.0	3400	621	15	.49	.39	.29	.25
197617	BVU-5E1QH4E℞	JVP	1	Red	Water clear	T1 ¾	0.197/5	0.30	1.05	0.08	1.8	2180	630	15	.29	.25	.19	.15
334423	UT9C13-86-UDC2℞	JVP	1	Red	Water clear	T1 ¾	0.197/5	0.34	0.98	0.10	1.9	2700	630	18	.25	.21	.19	.16
333518	LUR13233℞	JVP	1	Red	Water clear	T1 ¾	0.197/5	0.35	0.98	0.10	1.5	2400	660	18	.25	.21	.19	.16
333526	LUR3833℞	JVP	1	Red	Water clear	T1 ¾	0.197/5	0.35	0.98	0.10	1.5	2700	660	12	.25	.21	.19	.16
1586189	UT1813-83-UJEI	LED	1	Red	Water clear	T1 ¾	0.197/5	0.34	1.00	0.10	2.1	5500	632	25	.39	.35	.29	.19
1584917	HLMP-EG08-Y2000℞	AVT	1	Red	Red untinted/non-diffused	T1 ¾	0.197/5	0.34	1.20	0.10	1.9	9300	635	6	.59	.45	.35	.29
261622	LT1873-81-UR-P22	LED	2	Red	Water clear	T1 ¾	0.197/5	0.34	0.89	0.10	1.9	1200	660	25	.25	.21	.19	.16
333447	UT1873-81-UR-P22R℞	JVP	2	Super Red	Water clear	T1 ¾	0.197/5	0.34	0.89	0.10	1.9	1600	660	25	.25	.21	.19	.16
152806	LT1873-81-UR℞	LED	1	Ult. Bright Red	Water clear	T1 ¾	0.197/5	0.34	0.89	0.10	1.9	2000	660	12	✳	.19	.15	.12
2095171	RL50-PR543	JVP	2	Ult. Bright Red	Water clear	T1 ¾	0.197/5	0.30	1.02	0.10	1.7	8000	635	20	.39	.29	.19	.15
334482	UT1813-86-UC9T-P27℞	JVP	1	Ult. Bright Red	Water clear	T1 ¾	0.197/5	0.34	0.94	0.10	2.2	3500	630	15	.49	.45	.35	.29
197683	BVT-5E1QT4ER	JVP	1	Orange Red	Water clear	T1 ¾	0.197/5	0.29	1.08	0.08	2.3	4650	634	15	.59	.55	.45	.39
2006799	LTL-2R3VYKNT℞	LTO	1	Orange	Water clear, flanged	T1 ¾	0.197/5	0.34	0.87	0.10	2.0	1300	595	30	✳	.15	.12	.10
333665	LEF3833℞	JVP	1	Orange	Water clear	T1 ¾	0.197/5	0.34	0.98	0.10	1.7	1700	620	12	.29	.22	.19	.16
333649	LHE3333℞	JVP	1	Orange	Water clear	T1 ¾	0.197/5	0.34	0.98	0.10	1.7	1800	620	20	✳	.19	.15	.12
333657	LUE3333℞	JVP	2	Orange	Water clear	T1 ¾	0.197/5	0.34	0.94	0.10	2.1	3400	620	20	.39	.35	.25	.19
333673	LUE3833℞	JVP	2	Orange	Water clear	T1 ¾	0.197/5	0.34	0.94	0.10	2.1	5000	620	12	.39	.35	.25	.19
333577	LUYS3333℞	JVP	1	Yellow	Water clear	T1 ¾	0.197/5	0.34	0.98	0.10	1.7	2700	587	20	.39	.35	.25	.19
333614	LUY3833H℞	JVP	1	Yellow	Water clear	T1 ¾	0.197/5	0.34	0.98	0.10	1.7	5000	590	12	.45	.39	.29	.25
333569	LUY3333/A℞	JVP	1	Yellow	Water clear	T1 ¾	0.197/5	0.35	1.00	0.10	1.7	1500	595	20	✳	.15	.12	.10
333593	LUY13533℞	JVP	1	Yellow	Water clear	T1 ¾	0.197/5	0.35	1.00	0.10	1.7	1500	595	20	.29	.22	.19	.16
333606	LHY3833℞	JVP	2	Yellow	Water clear	T1 ¾	0.197/5	0.34	0.94	0.10	2.1	2700	595	12	.29	.25	.19	.15
197675	BVT-5E1TT4E℞	JVP	2	Yellow	Water clear	T1 ¾	0.197/5	0.34	1.00	0.10	2.3	7800	592	15	.55	.49	.39	.35
2095189	RL50-PY543	JVP	2	Ultra Yellow	Water clear	T1 ¾	0.197/5	0.30	1.02	0.10	1.7	8000	595	20	.39	.29	.19	.15
2006772	LTL-2H3VYKNJ1℞	LTO	1	Amber/Yellow	Water clear, flanged	T1 ¾	0.197/5	0.34	0.87	0.10	2.0	3400	595	15	✳	.15	.12	.10
2006781	LTL-2R3SYKS	LTO	1	Amber	Water clear, flanged	T1 ¾	0.197/5	0.34	0.87	0.10	2.2	2800	594	30	.39	.35	.25	.19
334473	LDGL3333/H0℞	JVP	1	Green	Water clear	T1 ¾	0.197/5	0.34	0.98	0.10	3.5	3400	502	22	.79	.69	.65	.59
183214	MCDPG-503PC1℞	JVP	1	Green	Water clear	T1 ¾	0.197/5	0.30	1.04	0.08	3.5	2200	515	10-15	1.49	1.35	1.19	1.09
1586197	UT4123-4D-UBC	LED	1	Green	Water clear	T1 ¾	0.197/5	0.32	1.00	0.10	3.0	2500	500	28	.55	.45	.35	.29
2077079	HLMP-CM39-UVCDD	AGT	2	Green	Untinted/non-diffused	T1 ¾	0.197/5	0.34	0.94	0.10	3.2	5000	535	30	.49	.45	.39	.35
183222	MCDL-513SBC4℞	JVP	1	Blue	Water clear	T1 ¾	0.197/5	0.29	1.02	0.08	3.6	3000	470	25	1.39	1.25	1.09	.99
1584870	HLMP-CW30-SV000℞	AVT	1	White	Untinted/non-diffused	T1 ¾	0.197/5	0.34	1.20	0.10	3.6	1900	—	30	1.39	1.25	1.09	.99
334502	LWK3333℞	JVP	1	White	Water clear	T1 ¾	0.197/5	0.34	0.98	0.10	3.5	5000	—	16	.89	.79	.65	.59
334773	UT18W3-86-UAF1-P22℞	JVP	1	White	Water clear	T1 ¾	0.197/5	0.34	1.00	0.10	3.6	2900	—	25	1.35	1.25	1.09	.99
183231	BVU-5C14WK4-B	JVP	1	White	Water clear	T1 ¾	0.197/5	0.30	1.06	0.08	3.5	3000	—	10	1.35	1.25	1.09	.99
142894	BVU-5E1WK4-B℞	JVP	1	White	Water clear	T1 ¾	0.197/5	0.34	0.79	0.08	3.5	3700	—	15	1.35	1.25	1.09	.99
1870796	MV8W00	FSC	1	White	Water clear	T1 ¾	0.197/5	0.33	1.00	0.10	3.8	2500	—	20	2.49	2.29	2.09	1.95
320531	MCDL-5013UWC℞	JVP	1	White	Water clear	T1 ¾	0.197/5	0.30	1.00	0.10	3.8	5000	—	15	.99	.89	.75	.65
2077061	EM-503QWC-R12	JVP	2	White	Water clear	T1 ¾	0.197/5	0.34	1.00	0.10	4.5	5000	—	25	.99	.89	.75	.65
2005702	LTL912VEKSA℞	LTO	3	Red	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.1	1200	632	50	.49	.45	.35	.29
664405	MCDL-1860UEC-TL℞	JVP	3	Hi-Eff Red	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.0	3200	625	75	.85	.75	.59	.55
1952222	LTL912SEKSA℞	LTO	3	Hi-Eff Red	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.5	3750	628	60	.59	.55	.45	.39
664413	MCDL-1870UEC-TL℞	JVP	3	Hi-Eff Red	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.0	4200	625	40	.85	.75	.59	.55
2005690	LTL911VYKSA	LTO	3	Amber	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.1	600	595	70	.39	.35	.25	.19
2005729	LTL9145YKS	LTO	3	Amber	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.5	2000	596	70	.59	.55	.45	.39
404603	MCDL-1860UGC-TL℞	JVP	3	Green	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	3500	525	75	1.49	1.35	1.19	1.09
664376	MCDL-1870UGC-TL℞	JVP	3	Green	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	7500	525	30	1.49	1.35	1.19	1.09
404591	MCDL-1860UBC-15C℞	JVP	3	Blue	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	2500	470	75	1.49	1.35	1.19	1.09
664368	MCDL-1870UBC-TL℞	JVP	3	Blue	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	2300	470	40	1.49	1.35	1.19	1.09
664341	MCDL-1870UWC-15C℞	JVP	3	White	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	6500	—	40	1.69	1.55	1.39	1.29
404582	MCDL-1860UWC-15C℞	JVP	3	Ultra White	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	3500	—	75	1.69	1.55	1.39	1.29
2005737	LTJ-811Y	LTO	4	Yellow	Sphere lens (12-pin)	20mm dome	0.8/20	0.91	0.53	0.60	2.1	25	565	30	.99	.89	.75	.65

* AGT = Agilent | AVT = Avago Technology | FSC = Fairchild Semi | JVP = Jameco ValuePro | LED = Ledtech | LTO = Lite-On

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Agilent Technologies | AVAGO | JAMECO ValuePro | Ledtech | LITEON | UNi

Surface Mount LEDs

★Web Code: SSM

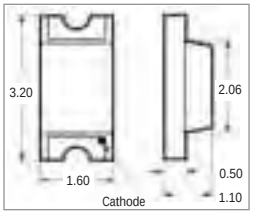


Fig. 1 – 1206

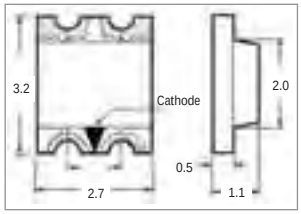


Fig. 2 – 1210

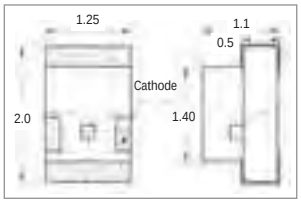


Fig. 3 – 0805

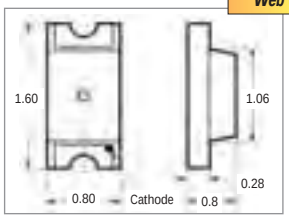


Fig. 4 – 0603

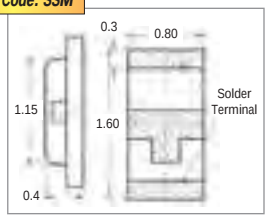


Fig. 5 – 0603 Super Thin

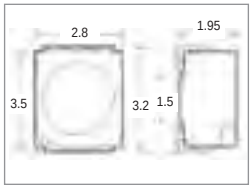


Fig. 6 – PLCC-2

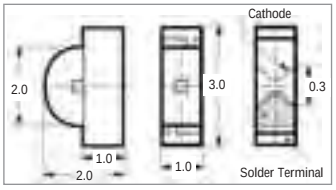


Fig. 7 – 1208 Right Angle

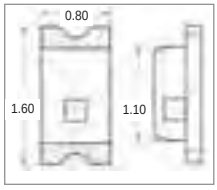


Fig. 8 – 0603 Super Thin

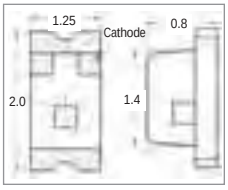


Fig. 9 – 0805 Super Thin

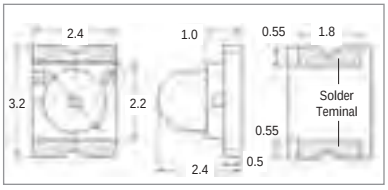


Fig. 10 – Dome

Standard Surface Mount LEDs

✳ Order in multiples of 10

Part No.	Mfr. Part No.	*Mfr.	Fig.	Emitting Color	Lens/Feature Description	Typical Vf (V)	If Max. (mA)	Iv Typical mcd @ mA	Peak Wavelength (nm)	Viewing Angle (2x Theta)	Pricing 1	10	100	1000
1556414	HSMH-C150R	AVT	1	Red	Water clear	1.8	20	17 @ 20	630	130	✳	$.12	$.10	$.08
697733	LTST-C150CKTR	LTO	1	Red	Water clear	1.8	40	25 @ 20	660	130	✳	.12	.10	.08
1556422	HSMH-C170R	AVT	1	Red	Water clear	1.8	20	17 @ 20	660	170	✳	.12	.10	.08
1260357	LTST-C190CKTR	LTO	4	Red	Water clear	1.8	40	10 @ 10	660	130	✳	.09	.07	.05
1556431	HSMH-C190R	AVT	4	Red	Water clear	1.8	20	17 @ 20	610	170	✳	.12	.10	.08
658321	HSL-204DR	UNI	6	Red	Water clear	1.8	20	50 @ 20	657	130	✳	.19	.15	.12
1557054	HSMS-C660R	AVT	7	Red	Water clear	1.9	20	5 @ 20	639	155	✳	.19	.15	.12
334318	LG-150E-DTR	JVP	1	Hi-eff Red	White diffused	1.7	20	8 @ 10	643	150	✳	.12	.10	.08
1556300	HSMF-C155R	AVT	2	Hi-eff Red/Green	Water clear	2.1/2.2	20/20	10/15 @ 20	630/570	170/170	✳	.19	.15	.12
1260365	LTST-C150EKTR	LTO	4	Red Orange	Water clear	2.0	30	2 @ 10	630	130	✳	.07	.05	.035
1996111	LTST-C150YKTR	LTO	1	Yellow	Water clear	2.1	20	6 @ 10	585	130	✳	.09	.07	.05
697813	LTST-C190YKTR	LTO	4	Yellow	Water clear	2.1	20	6 @ 10	585	130	✳	.09	.07	.06
334351	YT95531/TRIR	LIG	6	Yellow	Water clear	1.7	20	7 @ 10	585	84	✳	.15	.12	.10
334289	LG150E-CTR	JVP	1	Orange	Water clear	1.7	20	6 @ 20	635	150	✳	.12	.10	.08
697741	LTST-C150GKTR	LTO	1	Green	Water clear	2.1	30	6 @ 10	565	130	✳	.12	.10	.08
697805	LTST-C190GKTR	LTO	4	Green	Water clear	2.1	30	6 @ 10	565	130	✳	.11	.09	.08
334369	LVG9553/TRIR	LIG	6	Green	Water clear	1.7	20	9 @ 10	565	84	✳	.15	.12	.10
1556406	HSMG-C660R	AVT	7	Green	Water clear	2.2	20	9 @ 20	570	155	.29	.25	.19	.15
2046441	LTST-C150CBKT	LTO	1	Blue	Water clear	3.7	20	20 @ 20	468	130	.29	.25	.19	.15
334781	LG-150DBK-CTR	JVP	1	Blue	Water clear	3.5	20	40 @ 20	470	150	.59	.55	.45	.39
2047945	LTST-C191TBKT	LTO	8	Blue	Water clear	3.4	20	30 @ 20	468	130	.29	.25	.19	.15
2033164	LTW-C193TS5	LTO	5	White	Water clear	2.95	20	78 @ 5	—	130	✳	.15	.12	.10
334756	LT5KW3-AA-UAE3	JVP	6	White	Water clear	3.2	20	750 @ 20	—	120	.39	.35	.29	.25
658347	HSL-204MWR	UNI	6	White	Water clear	3.5	20	400 @ 20	—	130	.49	.45	.39	.35

Ultra-Bright AlInGaP Surface Mount LEDs

★Web Code: UBA

✳ Order in multiples of 10

Part No.	Mfr. Part No.	*Mfr.	Fig.	Emitting Color	Lens/Feature Description	Typical Vf (V)	If Max. (mA)	Iv Typical mcd @ mA	Peak Wavelength (nm)	Viewing Angle (2x Theta)	Pricing 1	10	100	1000
658312	MSL-154DRR	UNI	1	Red	Water clear	1.8	20	22.5 @ 20	660	130	✳	$.15	$.12	$.10
658304	MSL-174DRR	UNI	4	Red	Water clear	1.8	20	22.5 @ 20	660	130	✳	.12	.10	.08
658291	MSL-194DRR	UNI	4	Red	Water clear	1.8	20	22.5 @ 20	660	130	✳	.10	.08	.06
697750	LTST-C150KRKTR	LTO	1	Super Red	Water clear	2.0	30	54 @ 20	639	130	✳	.15	.12	.10
1557020	HSMS-C150R	AVT	1	Hi-eff Red	Water clear	2.1	20	10 @ 20	595	130	✳	.15	.12	.10
1557046	HSMS-C190R	AVT	4	Hi-eff Red	Water clear	2.1	30	10 @ 20	630	130	✳	.15	.12	.10
1557071	HSMY-C150R	AVT	1	Yellow	Water clear	2.1	20	8 @ 20	589	130	✳	.15	.12	.10
697792	LTST-C170KYKTR	LTO	3	Yellow	Water clear	2.0	20	50 @ 20	595	130	✳	.12	.10	.09
1556369	HSMG-C150R	AVT	1	Green	Water clear	2.2	20	15 @ 20	570	170	✳	.15	.12	.10
2039902	LTST-C150FKT	LTO	1	Green	Water clear	2.1	20	14.2 @ 20	565	130	✳	.15	.12	.10
697776	LTST-C170KGKTR	LTO	3	Green	Water clear	2.0	30	35 @ 20	574	130	✳	.15	.12	.10
1556385	HSMG-C190R	AVT	4	Green	Water clear	2.2	20	15 @ 20	570	130	✳	.15	.12	.10
1556211	HSMC-A100-Q00J1R	AVT	6	Red	Water clear	1.9	20	100 @ 20	635	120	✳	.19	.15	.12
1585101	HSMC-A100-R00J1R	AVT	6	Red	Water clear	3.9	20	140 @ 20	639	120	✳	.19	.15	.12

* AVT = Avago Technology | JVP = Jameco ValuePro | LIG = Ligitek | LTO = Lite-On | UNI = Unity Opto Technology

Ultra-Bright AlInGap SMT LEDs continued on next page

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Optos

Surface Mount LEDs (Continued)

★Web Code: UBA

Ultra-Bright AlInGaP Surface Mount LEDs (Continued)

Figure images on previous page Fig. 11

✳ Order in multiples of 10

Part No.	Mfr. Part No.	*Mfr.	Fig.	Emitting Color	Lens/Feature Description	Typical Vf (V)	If Max. (mA)	Iv Typical mcd @ mA	Peak Wavelength (nm)	Viewing Angle (2x Theta)	Pricing 1	10	100	1000
658339	MSL-204UYL℞	UNI	6	Yellow	Water clear	2.0	20	120 @ 20	592	120	$.29	$.25	$.19	$.15
1585055	HSMA-A100-Q00J1℞	AVT	6	Yellow Amber	Water clear	2.1	20	100 @ 20	592	120	✳	.19	.15	.12
1556342	HSMG-A100-J02J1℞	AVT	6	Yellow Green	Water clear	2.2	20	18 @ 20	565	120	✳	.15	.12	.10
1585063	HSMA-A101-S3WJ1℞	AVT	6	Amber	Water clear	2.1	20	220 @ 20	592	120	✳	.15	.12	.10
692537	MSL-204G℞	UNI	6	Green	Water clear	2.1	20	120 @ 20	570	120	.39	.35	.25	.19
658355	MSL-204MB	UNI	6	Blue	Water clear	3.5	20	120 @ 20	468	120	.59	.49	.39	.35
2075671	LTST-C191AKT	LTO	8	Orange	Water clear	2.1	20	2 @ 10	610	130	✳	.10	.08	.06
2075680	LTST-C191KSKT	LTO	8	Yellow	Water clear	2.1	20	4.5 @ 10	585	130	✳	.12	.10	.08
2075612	LTST-C171KEKT	LTO	9	Red	Water clear	2.0	20	50 @ 20	632	130	✳	.12	.10	.08
2075639	LTST-C171KSKT	LTO	9	Yellow	Water clear	2.0	30	60 @ 20	588	130	✳	.10	.08	.06
2075621	LTST-C171KYKT	LTO	9	Amber Yellow	Water clear	2.0	30	50 @ 20	595	130	✳	.10	.08	.06
2075663	LTST-C190KFKT	LTO	9	Amber	Water clear	2.0	30	60 @ 20	611	130	✳	.12	.10	.08
697830	LTST-C930KRKT℞	LTO	10	Super Red	Water clear	2.0	30	850 @ 10	639	25	✳	.19	.15	.12
2075701	LTST-C930KAKT	LTO	10	Red Orange	Water clear	2.0	30	1050 @ 10	621	25	✳	.10	.08	.06
697821	LTST-C930KGKT℞	LTO	10	Green	Water clear	2.0	30	365 @ 20	574	25	✳	.19	.15	.12
2081967	LAW57B-GX-2	✦	11	Amber*	Water clear	2.2	400	6500 @ 400	614	120	1.49	1.35	1.19	.99

* Heat sink required; use P/N 326596 heat sink, P/N 236823 compound and P/N 1582575 insulator pg 24

Conxrite Locking Header

This locking header provides positive locking between PCB and cable assembly.

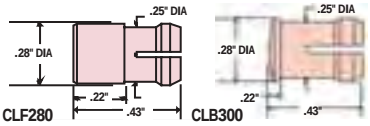
★Web Code: KAL

Part No.	Mfr. Part No.	Description	1	10	100	1000
417682	CNXH03NTP℞	Horizontal 3-pin	$.29	$.25	$.19	$.17

T1¾ Cliplite® LED Lens Mounts

Standard CLF280 and low profile CLB300 provide 180° viewing angle. Colors: red and clear.

★Web Code: UAK



Part No.	Mfr. Part No.	Size	Color	1	10	100	1000
417818	SML190RTP℞	T1	Red	$.25	$.21	$.17	$.14
29612	CLF280RTP℞	T1 ¾	Red	.29	.25	.21	.19
14277	CLF280CTP℞	T1 ¾	Clear	.29	.25	.19	.16
124927	CLB300CTP℞	T1 ¾	Clear	.29	.25	.21	.19

Conxrite Pre-Wired Solderless LED Interconnect

Designed to replace labor-intensive hard-wiring of panel-mounted LEDs to PCB.

★Web Code: UAK

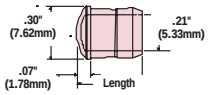
For complete specifications see www.Jameco.com

Part No.	Mfr. Part No.	LED Size	Termination (leads)	Length	1	10	100
417391	CNXBE2124℞	T1 (3mm)	2-pin connector	24"	$2.49	$2.25	$1.75
417498	CNXC2108℞	T1 ¾ (5mm)	Stripped leads (2)	8"	1.29	1.15	1.05
417501	CNXCE2112℞	T1 ¾ (5mm)	Stripped leads (2)	12"	1.49	1.35	1.19
143037	CNXCE2108℞	T1 ¾ (5mm)	2-pin connector	8"	1.95	1.75	1.59
417463	CNXCE2112℞	T1 ¾ (5mm)	2-pin connector	12"	1.95	1.75	1.49
143053	CNXCE2118℞	T1 ¾ (5mm)	2-pin connector	18"	2.25	1.95	1.75
673820	CNX440-X02-4-1-08℞	T1 ¾ (5mm)	2-pin conn. (twist fit)	8"	1.95	1.75	1.49
417607	CNXDX2612℞	T1 ¾ (5mm)	Stripped leads (3)	12"	1.35	1.19	.99
417615	CNXDX2618℞	T1 ¾ (5mm)	Stripped leads (3)	18"	1.35	1.19	.99
417535	CNXDF2604℞	T1 ¾ (5mm)	3-pin connector	4"	1.49	1.25	.99
417560	CNXDF2618℞	T1 ¾ (5mm)	3-pin connector	18"	1.95	1.75	1.59
417578	CNXDF2624℞	T1 ¾ (5mm)	3-pin connector	24"	1.95	1.75	1.59

Panel Lens for PCB Mounted T1¾ LEDs

T1-3/4 size low-profile panel lenses provide 180° viewing angle.

★Web Code: UAK



Part No.	Mfr. Part No.	Size	Color	Length	1	10	100	1000
143132	CMC321CTP℞	T1 ¾	Clear	.33"	$.29	$.25	$.21	$.19
417771	CML325CTP℞	T1 ¾	Clear	.46"	.29	.25	.21	.19

T1 & T1¾ LED Mounting Hardware

★Web Code: KAL

- Color: black
- Order in multiples of 10

Part No.	Mfr. P/N	Mfr.	Description	Mounting Hole Dia.	Panel Thickness	Pricing 10	100	1000
95513	LMH100℞	LIG	T1 snap-in	.185"	up to .070"	$.12	$.10	$.08
23077	LMH200℞	LIG	T1 ¾ ring/clip	.257"	up to .125"	.15	.14	.12
95521	LMH250℞	LIG	Rect. snap in	.306" x .202"	up to .092"	.12	.10	.08
379815	MCD-10MM℞	JVP	10mm snap in	.539"	up to .1025"	.25	.21	.19

T1 & T1¾ LEDs & LED Mounting Hardware Kit

SAVE $14

Includes: • 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 169 and labels
- 10 ea. standard-output LEDs (34657, 114673), pg 25, (114681, 34606, 34825, 34711, 104248, 34690, 34673), pg 26 & (34761, 104256, 11359), pg 27 and LED lens mount (14277), pg 30
- 100 ea. LEDs (202471), pg 25 & (2006730), pg 26
- 100 ea. LED mounting hardware (95513, 23077), pg 30

Part No.	Description	Wt. (lbs.)	1	5
84996	560-piece LEDs & LED hardware kit	5.0	$69.95	$59.95

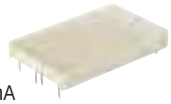
LED & LED Hardware Assortment Kit (139 pcs.)

Allows you to mount LEDs for different applications and designs. Eliminates soldering, shrink tubing and terminal crimping.

- 139-piece hardware kit for T1 and T1¾ LEDs
- Clear plastic case w/ dividers • Size: 8.5"L x 4.5"W x 1.5"H

Part No.	Description	Wt. (lbs.)	1	10
418731	Design Engineer's LED hardware kit℞	0.4	$22.95	$19.95

Ledtech 1" x 1.56" LED Backlight



- IC compatible • D.C. forward current: 30mA
- Peak wavelength: 567nm @ 20mA • View angle: 52°
- Forward voltage: (typical) 4.2V @ 20mA; (max) 6.0V @ 20mA
- Luminous intensity: (min) 14.9mcd @ 20mA; (typical) 24.8mcd @ 20mA

Part No.	Mfr. Part No.	LED Material	Emitting Color	Lens Color	1	10	100
302535	LT1F24-A2-S8	GaP	Green	G.C.	$1.95	$1.75	$1.25

JAMECO BenchPro 2-150mA T1 & T1¾ LED Tester

Plug any leaded LED into any 2 rows of sockets. 13.1" spaced positions test T1/T1 ¾ LEDs from 2 to 30mA; 13.2" spaced positions test larger footprint (high flux) LEDs from 20 to 150mA. Uses 9V battery (P/N 198731 – sold separately)

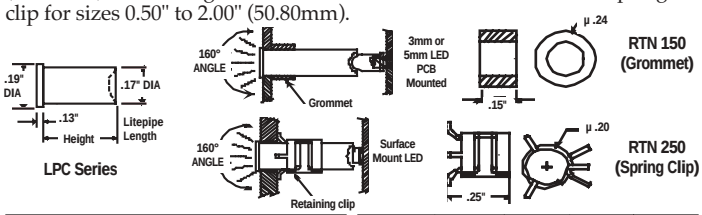
Part No.	Description	Size (L x W x H)	1	5	25
355805	LED tester	3.1" x 2.2" x 0.9"	$9.95	$8.95	$7.95

* AVT = Avago | JVP = Jameco ValuePro | LIG = Ligitek | LTO = Lite-On | UNI = Unity Opto Tech. | ✦ Manufacturer Varies

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Litepipes For Standard and Surface-Mount LEDs

Designed to produce 160° viewing angle of transmitted light from PCB mounted LEDs. Accommodates both 0.119" (3mm) and surface mount LEDs. Litepipes are able to display single color devices or mix multi-colored LEDs into a single color. Sizes from 0.200" (5.08mm) to 2.00" (50.80mm). Use RTN grommet for sizes 0.20" thru 0.50" and RTN spring clip for sizes 0.50" to 2.00" (50.80mm).



Part No.	Height	1	10	100
418108	0.20"ℛ	$.25	$.19	$.17
418116	0.22"ℛ	.25	.19	.17
418132	0.26"ℛ	.25	.19	.17
418141	0.28"ℛ	.25	.19	.17
418159	0.30"ℛ	.25	.19	.17
418167	0.32"ℛ	.25	.19	.17
418183	0.36"ℛ	.25	.19	.17
418191	0.38"ℛ	.25	.19	.17
418204	0.40"ℛ✪	.25	.19	.17
418212	0.42"ℛ	.25	.19	.17
418239	0.46"ℛ	.25	.19	.17
418247	0.48"ℛ	.25	.19	.17

Part No.	Height	1	10	100
418255	0.50"ℛ	$.25	$.19	$.17
418263	0.56"ℛ	.25	.19	.17
418301	0.76"ℛ	.25	.19	.17
418327	0.86"ℛ	.25	.19	.17
418271	0.60"ℛ	.25	.19	.17
418298	0.70"ℛ	.25	.19	.17
418319	0.80"ℛ	.25	.19	.17
418343	0.96"ℛ	.25	.19	.17
418351	1.00"ℛ	.25	.19	.17
418360	1.25"ℛ	.25	.19	.17
418378	1.50"ℛ	.25	.19	.17
418386	1.60"ℛ	.25	.19	.17
418394	2.00"ℛ	.25	.19	.17

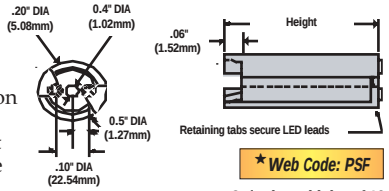
✪ Blue Part No. = Limited Quantity Available

Order in multiples of 10

Part No.	Mfr. P/N	Description	10	100	1000
418407	RTN150ℛ	Grommet	$.06	$.05	$.04
418415	RTN250ℛ	Spring clip	.06	.05	.04

LED PCB Standoffs for 2 & 3-Lead Components

Designed for PCB mounting of multi-lead devices (e.g. LEDs, resistors, capacitors, diodes, and IR emitter/detector lamps). Provide lead separation, retention and lateral stability, and height control. Standoffs vary in height from 0.12" to 1.00". Standoffs are UL94V0 material.



★ Web Code: PSF

Order in multiples of 10

Part No.	Height	10	100	1000
418431	0.14"ℛ	$.06	$.05	$.04
418458	0.18"ℛ	.06	.05	.04
418474	0.22"ℛ	.06	.05	.04
418482	0.24"ℛ	.06	.05	.04
418503	0.26"ℛ	.06	.05	.04
418511	0.28"ℛ	.06	.05	.04
418520	0.30"ℛ	.06	.05	.04
418546	0.34"ℛ	.06	.05	.04
418554	0.36"ℛ	.06	.05	.04
418589	0.42"ℛ	.06	.05	.04

Part No.	Height	10	100	1000
418597	0.44"ℛ	$.06	$.05	$.04
418618	0.48"ℛ	.06	.05	.04
418626	0.50"ℛ	.06	.05	.04
418642	0.60"ℛ	.06	.05	.04
418651	0.65"ℛ	.06	.05	.04
418677	0.75"ℛ	.06	.05	.04
418685	0.80"ℛ	.06	.05	.04
418693	0.85"ℛ	.06	.05	.04
418706	0.90"ℛ	.06	.05	.04
418714	0.95"ℛ	.06	.05	.04
418722	1.00"ℛ	.06	.05	.04

LED Light Strip Modules

★ Web Code: BDZ

- Applications: running light or light source for under cabinets, closets, RVs & enclosures

683235 (17") 1586171 (15")

Part No.	Mfr.	Mfr. Part No.	Color	Viewing Angle	1	5	25
683235	ValuePro	LS1255-150A112ℛ	Yellow	100°	$12.95	$11.49	$10.25
1586171	Ledtech	UY19209-627	White	120°	21.95	19.95	17.95

3 & 10W Constant Current LED Drivers

- Type: AC – DC
- Input voltage: 100-240VAC @ 50-60Hz
- 3-watt LED drivers can drive 2 to 8 1W LEDs or 1 to 3 3W LEDs
- 10-watt LED drivers can drive 3 to 8 1W LEDs
- Operating temperature range: -20˚C to 40˚C
- UL/CUL/CE approved
- **2006852/2006861:** 20AWG, 3.9"L wires
- **2006879/2006887:** Plug in type, 7ft. cable w/ 2.1mm x 5.5mm center positive

2006861/ 2006852

2006887/ 2006879

Part No.	Mfr. Part No.	Description	Output Volt./Curr.	1	5
2006861	LD-CU7021AFℛ	3-watt LED driver	3-21VDC @ 700mA	$18.95	$16.95
2006887	LD-PI7021AFℛ	3-watt LED driver	3-21VDC @ 700mA	18.95	16.95
2006852	LD-CU3536AFℛ	10-watt LED driver	3-36VDC @ 350mA	17.95	15.95
2006879	LD-PI3536AFℛ	10-watt LED driver	3-36VDC @ 350mA	17.95	15.95

Power LED Driver Modules

- Delivers accurate constant current required by most high power LEDs
- High efficiency due to switch mode principle
- Built-in rectifier for easy connection to AC source
- Input voltage: 6-12VAC/9-18VDC
- Power consumption: 650mA max.
- Size: 1.8"L x 1.2"W x 0.64"H • Short-circuit protected
- Also suited as fixed current NiCd/NiMH battery charge circuit
- Constant current source:
  2006916: 350mA, compatible with up to 4 L-HP1P series power LEDs
  2006924: 700mA, compatible with up to 3 L-HP3P series power LEDs
  2006932: 350mA or 700mA

2006916/2006924

2006932

Part No.	Mfr. Part No.	Description	1	5
2006916	VM143/1Wℛ	1-watt module	$32.95	$29.65
2006924	VM143/3Wℛ	3-watt module	35.95	32.35
2006932	K8071ℛ	1-watt/3-watt module kit	15.95	14.49

Dual CCFL Kits

This kit is a dual CCFL that comes with an inverting power supply (12VDC @ 5mA input; 620V output), wire harnesses and connectors for easy set-up.

- Lamp diameter: 3mm (protected inside a clear acrylic tube) • Length per lamp: 300mm (12")
- Average lifespan: 30,000 hours
- Brightness: 30,000cd • Supply voltage: 620V
- Lamp current: 5mA

Part No.	Mfr. Part No.	Color	1	5
2006975	CCFL2Wℛ	White	$14.95	$13.49
2006983	CCFL2Rℛ	Red	14.95	13.49
2006991	CCFL2Gℛ	Green	14.95	13.49
2007003	CCFL2UVℛ	Ultra violet	14.95	13.49
2007011	CCFL2BUℛ	Blue	14.95	13.49

See page 185 for Flashing LED Kits

High Power LEDs

- Superior high-flux output and high luminance • ESD protection
- We offer the Lambertian or 'High Dome' LED that has a high hemi-spherical dome with a wider 140˚ viewing angle. The high dome series project a wider but clearer light beam
- Use heat sink P/N 696600 and thermal compound P/N 236823
- Use insulator P/N 1582575 to isolate heat sink from case

NEW MARKED IN PINK

With Heat Sink (2006895)

Without Heat Sink (2096798)

Part No.	Mfr. Part No.	Power (W)	Color	Volt. @ Current (Vf @ If)	Luminous Flux (lm)	Viewing Angle (˚)	Pricing 1	10	25
2006895	L-HP1PWℛ†	1	White	3.2 @ 350mA	40	90	$7.95	$7.25	6.49
2096780	MCDL-L20-350HPCWℛ	1	White	3.2 @ 350mA	90	140	6.95	6.25	5.49
2096843	MCDL-L20-350HPCWSℛ†	1	White	3.2 @ 350mA	90	140	6.95	6.25	5.49
2096798	MCDL-L20-350HPWWℛ	1	Warm white	3.2 @ 350mA	86	140	6.95	6.25	5.49
2096851	MCDL-L20-350HPWWSℛ†	1	Warm white	3.2 @ 350mA	86	140	7.95	6.95	6.25
2096819	MCDL-L20-350HPUYℛ	1	Yellow	3.2 @ 350mA	40	140	5.95	5.49	4.95
2096886	MCDL-L20-350HPUYSℛ†	1	Yellow	3.2 @ 350mA	40	140	6.95	6.25	5.49
2096827	MCDL-L20-350HPPGℛ	1	Green	3.6 @ 350mA	70	140	6.95	6.25	5.49
2096974	MCDL-L20-350HPPGSℛ†	1	Green	3.6 @ 350mA	70	140	7.95	6.95	6.25
2006908	L-HP3PWℛ†	3	White	3.2 @ 1A	120	90	14.95	13.49	11.95

† Represents Star form factor with heat sink

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Optos

Infrared & Visible Light Emitters & Detectors

- Use for remote control and/or for fiber optics

★ Web Code: VAP

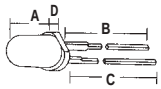


Fig. 1

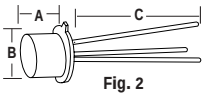


Fig. 2

Fig. 3

Fig. 4

✳ Order in multiples of 10

Part No.	Product No.	*Mfr.	Fig.	Description	Size	Diameter inch/mm	Dimensions (inches) A	B	C	D	Vf @ If	nm	mWatts	Pricing 1	10	100
2099403	PS5022	STA	4	Phototransistor	Dome	0.06/1.7	0.13	0.35	0.35	—	5.0 @ 20mA	880	1	✳	$.15	$.12
112150	LIR2043ℛ	LIG	1	Infrared emitter diode (GaAs)	T1	0.125/3	0.18	0.95	0.98	0.03	1.2 @ 20mA	940	5	✳	.19	.15
372710	UT0383-41-940	JVP	1	Infrared emitter diode (GaAs)	T1	0.125/3	0.16	0.88	0.94	0.04	1.3 @ 50mA	940	13	.29	.25	.19
1950825	L-34F3CSℛ	✦	1	Infrared emitter diode (GaAs)	T1	0.125/3	0.20	1.00	1.06	0.04	1.2 @ 20mA	940	80	.39	.35	.29
112176	LPT2023ℛ	LIG	1	Infrared phototransistor	T1	0.12/3	0.18	0.95	0.98	0.03	30 @ 0.1A	940	100	.39	.35	.29
1872265	OP505Aℛ	OPT	1	Infrared silicon phototransistor	T1	0.125/3.2	0.20	0.50	0.50	0.03	30VBRCEO @100µA	850	100	.79	.65	.59
1950649	BPV22NF(L)	OPT	3	High speed photo diode	T1 ¾	0.195/5	0.24	1.00	1.00	—	1.0 @ 50mA	940	215	.65	.59	.49
1623349	SFH484-2ℛ	SYL	1	Infrared emitter diode	T1 ¾	0.197/5	0.30	0.50	1.14	1.07	1.5 @ 100mA	880	25	.79	.69	.59
372737	UT1883-81-880ℛ	JVP	1	Infrared emitter diode (GaAs) water clear	T1 ¾	0.200/5	0.30	0.88	0.94	0.04	1.5 @ 50mA	880	16	.35	.29	.25
372745	UT1885-81-880ℛ	JVP	1	Infrared emitter diode (GaAs) blue clear	T1 ¾	0.200/5	0.30	0.88	0.94	0.04	1.5 @ 50mA	880	16	.39	.35	.29
1872151	OP290Aℛ	OPT	1	Infrared emitter diode	T1 ¾	0.195/5	0.30	0.75	1.00	0.04	4.0 @ 1.5A	890	333	1.09	.89	.69
106526	LVIR3333ℛ	LIG	1	Infrared emitter diode (GaAs)	T1 ¾	0.200/5	0.34	0.78	0.84	0.04	1.2 @ 20mA	940	8	.29	.19	.15
372762	UT1883-81-940ℛ	JVP	1	Infrared emitter diode (GaAs)	T1 ¾	0.200/5	0.30	0.88	0.94	0.04	1.3 @ 50mA	940	16	.35	.29	.19
1950622	TSHA5502	VSH	1	Infrared emitter diode (GaAIAs)	T1 ¾	0.200/5	0.30	0.97	1.04	0.04	1.5 @ 1mA	870	210	.59	.49	.39
373001	UT1893-91-0125ℛ	JVP	1	Infrared phototransistor	T1 ¾	0.200/5	0.34	0.88	0.94	0.04	30 @ 0.1A	870	20	.29	.25	.19
112169	UT1893-82-0125-Rℛ	LED	1	Infrared phototransistor	T1 ¾	0.200/5	0.31	1.05	1.10	0.04	30 @ 0.1A	940	20	.35	.29	.25
1872441	OP999ℛ	OPT	1	PIN silicon photodiode	T1 ¾	0.205/5.3	0.31	0.69	0.75	0.04	1.2 @ 1mA	200	100	.99	.89	.79
120221	BPW77NA	✦	2	NPN phototransistor	TO-18	0.18/4.69	0.24	0.19	0.52	0.01	70VCEO @ 50mA	850	250	1.95	1.75	1.49

7-Segment LED Displays

Soldering:

- Soldering bath: not more than 5 seconds @ 260°C
- Soldering iron: not more than 3 seconds @ 300°C under 30W

★ Web Code: PBW

Single Digit RHDP (1955677)

Single Digit LHDP/RHDP (24732)

Single Digit LHDP/RHDP (24741)

Single Digit LHDP (2082265)

Single Digit LHDP/RHDP (320469)

Single Digit RHDP (2005411)

Single Digit 7-Segment Numeric LED Displays

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing 1	10	100
1955677	Lite-On	LTS-2801AG	0.28"	Green	CA	10	2.0 @ 10	0.1 @ 5	565	RHDP	$.89	$.79	$.65
24732	MCD	GNS-3011BH-11ℛ	0.30"	Red	CA	10	1.9 @ 20	0.3 @ 20	697	LHDP/RHDP	.89	.79	.65
1867061	ValuePro	MAN72A	0.30"	Red	CA	11	2.0 @ 20	0.35 @ 10	660	LHDP	1.95	1.75	1.59
24783	MCD	GNS-3011CH-11ℛ	0.30"	Red	CC	10	2.1 @ 20	2.5 @ 20	697	LHDP/RHDP	.89	.79	.65
24782	Ligitek	LSD3211-11ℛ	0.30"	Red	CC	10	2.1 @ 20	2.5 @ 20	697	LHDP/RHDP	.99	.89	.75
24740	Ligitek	LSD3221-11ℛ	0.30"	Red	CA	11	2.1 @ 20	2.5 @ 20	697	LHDP/RHDP	.99	.89	.75
24741	MCD	GNS3011FH-11-13ℛ	0.30"	Red	CA	11	2.1 @ 20	2.5 @ 20	697	LHDP/RHDP	.89	.79	.65
334984	ValuePro	UA3051-12ℛ	0.30"	Red	CA	11	2.1 @ 20	0.8 @ 10	700	RHDP	.89	.79	.65
334800	ValuePro	UC3051-11ℛ	0.30"	Red	CC	10	2.1 @ 20	0.8 @ 10	700	RHDP	.85	.75	.65
334802	ValuePro	UC3041R-11ℛ	0.30"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.85	.75	.65
1548027	Avago	5082-7611ℛ	0.30	Hi-eff Red	CA	11	2.1 @ 20	0.8 @ 5	635	RHDP	2.75	2.49	2.25
789953	Lite-On	LSHD-7501ℛ	0.30"	AlInGap Red	CA	10	2.1 @ 20	12 @ 10	632	RHDP	.99	.89	.79
2082265	ValuePro	MAN3620A	0.30"	Orange	CA	11	2.5 @ 20	3.3 @ 10	630	LHDP	.79	.69	.55
335011	ValuePro	UA3041-12	0.30"	Orange	CA	11	2.1 @ 20	3.3 @ 10	635	RHDP	.89	.79	.65
320469	ValuePro	UA3031-16-EWRN	0.30"	Yellow	CA	11	3.0 @ 20	2.3 @ 10	585	LHDP/RHDP	.89	.79	.65
2079226	Ligitek	LSD3352-20/RP4ℛ	0.32"	Green	CC	14	2.1 @ 20	3.5 @ 10	565	RHDP	1.09	.95	.79
2075698	Ligitek	LSD3362-20/RP4ℛ	0.32"	Green	CA	14	2.1 @ 20	3.5 @ 10	565	RHDP	1.09	.95	.79
1955714	Lite-On	LTS-367R	0.36"	Red	CC	10	1.7 @ 20	0.5 @ 10	655	RHDP	.89	.79	.65
1955722	Lite-On	LTS-4801R	0.40"	Red	CA	10	1.7 @ 20	0.5 @ 10	655	RHDP	.89	.79	.65
1955731	Lite-On	LTS-4301R	0.40"	Red	CC	10	1.7 @ 20	0.5 @ 10	655	RHDP	.89	.79	.65
334844	ValuePro	UC4041R-11	0.40"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.89	.79	.65
2005411	Lite-On	LTS-4980AHR	0.40"	Hi-eff Red	CC	14	2.1 @ 20	2.2 @ 10	635	RHDP	.69	.59	.49
335038	ValuePro	UA4021-11	0.40"	Green	CA	10	2.1 @ 20	2.9 @ 10	567	RHDP	.99	.89	.75
1996081	Lite-On	LTS-4510AGℛ	0.40"	Green	CA	14	2.1 @ 20	2.2 @ 10	565	RHDP	1.09	.99	.89
2075719	Ligitek	LSD4012-20Aℛ	0.40"	Green	CC	14	2.1 @ 20	2.5 @ 10	565	RHDP	1.09	.99	.89
2075727	Ligitek	LSD401SBKS-20Aℛ	0.40"	Blue	CC	14	3.5 @ 20	12.8 @ 10	460	RHDP	2.59	2.35	2.09
17209	MCD	GNS-5011BH-11	0.50"	Red	CA	10	2.1 @ 20	0.9 @ 20	697	RHDP	1.09	.99	.89
17187	Ligitek	LSD5051-11ℛ	0.50"	Red	CC	10	2.1 @ 20	0.9 @ 20	697	RHDP	1.09	.99	.89
1955749	Lite-On	LTS-5301AR	0.56"	Red	CA	10	1.7 @ 20	0.6 @ 10	655	RHDP	1.09	.99	.89
1955757	Lite-On	LTS-6780R	0.56"	Red	CC	10	1.7 @ 20	0.6 @ 10	655	RHDP	1.09	.99	.89
335090	ValuePro	UA5651-11ℛ	0.56"	Red	CA	10	2.1 @ 20	0.8 @ 10	700	RHDP	1.09	.99	.89
2005438	Lite-On	LTS-5503	0.56"	AlInGap Red	CC	10	2.1 @ 20	17 @ 10	632	RHDP	1.09	.99	.89
1955765	Lite-On	LTS-6760P	0.56"	Bright Red	CA	10	2.1 @ 20	0.95 @ 10	697	RHDP	1.19	1.09	.99

* CA-Common Anode/CC-Common Cathode # LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point

Single Digit 7-Segment Numeric LED Displays continued on next page

* JVP = Jameco ValuePro | LED = Ledtech | LIG = Ligitek | OPT = Optek | STA = Stanley | SYL = Sylvania | VSH = Vishay | ✦ Manufacturer Varies

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 190.*

7 & 14-Segment LED Displays

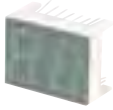
Single Digit RHDP (1955773)

Single Digit LHDP/RHDP (1955811)

Single Digit RHDP (14-seg.) (2076703)

2-Digit RHDP (1955845)

2-Digit RHDP (1955853)


2-Digit RHDP (2005358)

Single Digit 7-Segment Numeric LED Displays *(Continued)*

★Web Code: PBW

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing 1	Pricing 10	Pricing 100
334896	ValuePro	UC5641R-11ℛ	0.56"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	$.99	$.89	$.79
335101	ValuePro	UA5641R-11ℛ	0.56"	Hi-eff Red	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	.99	.89	.79
1584335	Avago	HDSP-5501-GH000ℛ	0.56"	Hi-eff Red	CA	10	2.1 @ 20	2.8 @ 10	635	RHDP	2.49	2.25	1.95
104213	Ligitek	LSD5124-10ℛ	0.56"	Orange Red	CA	10	2.0 @ 20	2.4 @ 20	635	RHDP	.99	.89	.79
335312	ValuePro	UA5641-11-EWRN	0.56"	Orange	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	.99	.89	.79
334880	ValuePro	UC5641-11-EWRNRℛ	0.56"	Orange	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.99	.89	.79
1955773	Lite-On	LTS-6680E	0.56"	Orange	CC	10	2.1 @ 20	2.4 @ 10	630	RHDP	.99	.89	.79
2005446	Lite-On	LTS-5701AY	0.56"	Yellow	CA	10	2.1 @ 20	2.4 @ 10	580	RHDP	.99	.89	.79
1955790	Lite-On	LTS-6860Y	0.56"	Yellow	CA	10	2.1 @ 20	2.4 @ 10	585	RHDP	.99	.89	.79
335127	ValuePro	UA5621-11ℛ	0.56"	Green	CA	10	2.1 @ 20	2.9 @ 10	562	RHDP	.99	.89	.79
334862	Ledtech	UC5621-11ℛ	0.56"	Green	CC	10	2.1 @ 20	2.9 @ 10	567	RHDP	.99	.89	.79
2075735	Ligitek	LSD5122-20/Aℛ	0.56"	Green	CA	10	2.1 @ 20	4.5 @ 10	565	RHDP	.99	.89	.79
2075751	Ligitek	LSD5112-20/Aℛ	0.56"	Green	CC	10	2.1 @ 20	4.5 @ 10	565	RHDP	.99	.89	.79
2075760	Ligitek	LSD512SBKS-20ℛ	0.56"	Blue	CA	10	3.5 @ 20	12.8 @ 10	460	RHDP	2.49	2.25	1.95
1955829	Lite-On	LTS-3403AP	0.80"	AlGaAs Red	CC	18	2.1 @ 20	0.95 @ 10	697	LHDP/RHDP	1.19	1.09	.95
18753	Ligitek	LSD8151-10ℛ	0.80"	Red	CC	13	2.1 @ 20	1.0 @ 20	697	RHDP	1.25	1.15	.99
1955811	Lite-On	LTS-3401LC	0.80"	AlGaAs Red	CA	18	1.8 @ 20	8.0 @ 10	660	LHDP/RHDP	1.25	1.15	.99
18737	Ligitek	LSD8164-20ℛ	0.80"	Orange Red	CA	13	1.6 @ 20	0.9 @ 20	655	RHDP	1.25	1.15	.99
2005462	Lite-On	LTS-3401LE	0.80"	Yellow	CA	18	2.1 @ 20	2.4 @ 10	630	LHDP/RHDP	1.39	1.25	1.09
1955837	Lite-On	LTS-3403LY	0.80"	Yellow	CC	18	2.1 @ 20	2.4 @ 10	585	LHDP/RHDP	1.39	1.25	1.09
2005489	Lite-On	LTS-3401LG	0.80"	Green	CA	18	2.1 @ 20	2.4 @ 10	565	LHDP/RHDP	1.39	1.25	1.09
176559	Re Fac	C8021-1	0.80"	Green	CC	13	2.0 @ 20	0.9 @ 20	568	RHDP	1.39	1.25	1.09
97172	Ligitek	LSD10061-10ℛ	1.0"	Red	CA	10	2.1 @ 20	2.0 @ 20	697	RHDP	1.95	1.75	1.49
308161	Ledtech	LA2541-24EWRN	1.0"	Orange	CA	10	4.2 @ 20	5.2 @ 10	635	RHDP	1.95	1.75	1.49
97199	Ligitek	LSD23265-10ℛ	2.24"	Red	CA	10	1.7 @ 20	21 @ 20	660	RHDP	4.49	3.95	3.59
97201	Ligitek	LSD23255-10ℛ	2.24"	Red	CC	10	1.7 @ 20	21 @ 20	660	RHDP	4.49	3.95	3.59
105591	Ligitek	LSD40054-20ℛ ‡	4.00"	Orange Red	CC	10	2.0 @ 20	18 @ 20	635	RHDP	8.95	7.95	7.15
202500	Ligitek	LSD40064-20ℛ	4.00"	Orange Red	CA	10	2.0 @ 20	18 @ 10	635	RHDP	8.95	7.95	7.15

Single Digit 14-Segment Alphanumeric LED Displays

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing 1	Pricing 10	Pricing 100
2076703	Ligitek	LSD3E62-20/Aℛ	0.39"	Green	CA	16	2.1 @ 20	3.05 @ 10	565	RHDP	$1.69	$1.39	$1.19
2076691	Ligitek	LSD3E6SBKS-20/Aℛ	0.39"	Blue	CA	16	3.5 @ 20	7.2 @ 10	475	RHDP	3.95	3.59	3.19

2-Digit 7-Segment Numeric LED Displays

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing 1	Pricing 10	Pricing 100
1955781	Lite-On	LTD-2701WC	0.28"	Red	CC	10	1.8 @ 20	3.1 @ 5	660	RHDP	$1.49	$1.35	$1.15
1955845	Lite-On	LTD-383E-R2	0.30"	Red Orange	CA	16	2.0 @ 20	1.6 @ 10	630	RHDP	1.49	1.35	1.15
1955853	Lite-On	LTD-482P-YQ	0.40"	Bright Red	CA	16	2.1 @ 20	0.8 @ 10	697	RHDP	1.49	1.35	1.15
2075786	Ligitek	LDD4062-20/Aℛ	0.40"	Green	CA	16	2.1 @ 20	3.05 @ 10	565	RHDP	1.49	1.35	1.15
1955861	Lite-On	LTD-432GC	0.40"	Green	CC	16	2.1 @ 20	1.1 @ 10	565	No DP	1.49	1.35	1.15
2005340	Lite-On	LTD-4608B	0.40"	Blue	CA	10	3.8 @ 20	3.6 @ 10	428	RHDP	4.95	4.49	3.95
200379	Rohm	LB602VAGI	0.56"	Red	CA	18	2.0 @ 10	16 @ 10	650	RHDP	1.49	1.25	.99
24715	Ligitek	LDD5121-20ℛ	0.56"	Red	CA	18	2.1 @ 20	0.8 @ 20	697	RHDP	1.59	1.39	1.19
24723	Ligitek	LDD5111-11ℛ	0.56"	Red	CC	18	2.1 @ 20	0.8 @ 20	697	RHDP	1.59	1.39	1.19
334933	ValuePro	UC5652-11ℛ	0.56"	Red	CC	18	2.1 @ 20	0.8 @ 10	700	RHDP	1.59	1.39	1.19
24694	Ligitek	LDD5124ℛ	0.56"	Orange Red	CA	18	2.0 @ 20	2.4 @ 20	635	RHDP	1.59	1.39	1.19
24707	Ligitek	LDD5114-20ℛ	0.56"	Orange Red	CC	18	2.0 @ 20	2.4 @ 20	635	RHDP	1.59	1.39	1.19
790031	Lite-On	LTD-6940HRℛ	0.56"	Hi-eff Red	CC	18	2.0 @ 20	2.4 @ 10	623	RHDP	1.69	1.49	1.25
334976	ValuePro	UA5642R-11ℛ	0.56"	Hi-eff Red	CA	18	2.1 @ 20	3.3 @ 10	635	RHDP	1.59	1.29	1.19
200539	Arctic	ELD556YWA	0.56"	Yellow	CA	18	2.0 @ 20	1.9 @ 10	590	RHDP	1.49	1.25	.99
790022	Lite-On	LTD-6410AGℛ	0.56"	Green	CA	18	2.1 @ 20	2.4 @ 10	565	RHDP	1.59	1.39	1.19
2005358	Lite-On	LTD-5623BG	0.56"	Green	CC	18	2.1 @ 20	2.4 @ 10	565	RHDP	1.59	1.39	1.19
2005366	Lite-On	LTD-6440G	0.56"	Green	CC	18	2.1 @ 20	2.4 @ 10	570	RHDP	1.59	1.39	1.19
2075794	Ligitek	LDD512SBKS-20/Aℛ	0.56"	Blue	CA	18	3.5 @ 20	58 @ 10	475	RHDP	4.95	4.49	3.95

* CA-Common Anode/CC-Common Cathode # LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point ‡ 5 diodes per segment

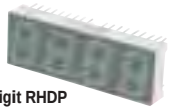
★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

7 & 14-Segment LED Displays (Continued)

2-Digit RHDP (1955933)

2-Digit RHDP (2075807)

3-Digit RHDP (1956493)


4-Digit RHDP (1956573)

10-Bar Graph (697477)

10-Bar Graph (334511)

2-Digit 14-Segment Alphanumeric LED Displays

★Web Code: PBW

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing 1	10	100
2005382	Lite-On	LTP-4323P	0.40"	Bright Red	CC	20	2.1 @ 20	0.75 @ 10	697	RHDP	$2.25	$1.95	$1.75
2005391	Lite-On	LTP-4323JD	0.40"	AlInGap Hyper Red	CC	20	2.1 @ 20	0.65 @ 10	650	RHDP	2.95	2.49	2.19
1955870	Lite-On	LTP-4323G	0.40"	Green	CC	20	2.1 @ 20	2.0 @ 10	569	RHDP	2.95	2.49	2.19
1955896	Lite-On	LTP-3786S-03	0.54"	AlGaAs Red	CA	18	1.8 @ 20	4.0 @ 10	660	RHDP	2.95	2.49	2.19
1955909	Lite-On	LTP-3785E-01	0.54"	Red Orange	CA	18	2.0 @ 20	2.0 @ 10	630	RHDP	2.95	2.49	2.19
1955933	Lite-On	LTP-8647AP	0.54"	Bright Red	††	18	12 @ 8.5	0.9 @ 0.4	697	RHDP	3.95	3.39	2.89
335222	ValuePro	UA5422-11 EWRS	0.54"	Green	CA	18	2.1 @ 20	2.9 @ 10	567	RHDP	2.49	2.25	1.95
1955917	Lite-On	LTP-3785G-01	0.54"	Green	CA	18	2.1 @ 20	2.0 @ 10	565	RHDP	2.95	2.49	2.19
2075807	Ligitek	LDD525SBKS-20/A℞	0.56"	Blue	CC	18	3.5 @ 20	10.5 @ 10	460	RHDP	8.95	7.95	6.95

3-Digit 7-Segment Numeric LED Displays

335055	ValuePro	UN4043-13 EWRS℞	0.40"	Orange	CA	12	2.1 @ 20	3.3 @ 10	635	RHDP	$2.49	$2.25	$1.95
1956493	Lite-On	LTC561R	0.56"	Red	CA	12	1.7 @ 20	0.6 @ 10	665	RHDP	2.49	2.25	1.95
308224	Ledtech	LM5643R-11RRRN	0.56"	Orange	CC	11	2.1 @ 20	3.3 @ 10	635	RHDP	2.49	2.25	1.95
225963	ValuePro	KW3-562A2B	0.56"	Green	CA	28	2.2 @ 20	15 @ 20	568	RHDP	2.49	2.25	1.95

4-Digit 7-Segment Numeric LED Displays

2006810	Ligitek	LFD2121-20/A-PF℞	0.28"	Red	CA	12	2.1 @ 20	0.8 @ 10	697	RHDP	$2.95	$2.49	$2.19
1956549	Lite-On	LTC-2623G	0.28"	Green	CA	16	2.1 @ 20	2.0 @ 10	575	RHDP	2.95	2.49	2.19
2006828	Ligitek	LFD4161-20/A-PF℞	0.40"	Red	CA	16	2.1 @ 20	0.8 @ 10	697	RHDP	2.95	2.49	2.19
1956565	Lite-On	LTC-4627G	0.40"	Green	CA	16	2.1 @ 20	2.2 @ 10	575	RHDP	2.95	2.49	2.19
1956506	Lite-On	LTC-5837E	0.52"	Red Orange	CA	40	2.0 @ 20	2.2 @ 10	630	RHDP	2.95	2.49	2.19
2006836	Ligitek	LFD5221-20/A-PF℞	0.56"	Red	CA	12	2.1 @ 20	1.0 @ 10	697	RHDP	2.95	2.49	2.19
335185	ValuePro	UM5644R-11-RRRS	0.56"	Orange	CC	12	2.1 @ 20	3.3 @ 10	635	RHDP	2.95	2.49	2.19
2005711	Lite-On	LTC-5653G-01	0.56"	Green	CA	12	2.1 @ 20	2.4 @ 10	565	RHDP	2.95	2.49	2.19
1956573	Lite-On	LTC-5848G	0.56"	Green	CA	36	2.1 @ 20	2.4 @ 10	565	RHDP##	3.25	2.95	2.49
335194	ValuePro	UM5624-11-EWRS℞	0.56"	Green	CC	12	2.1 @ 20	2.9 @ 10	567	RHDP	3.95	3.59	3.19
11360	Lite-On	LTC-585IY	0.56"	Yellow	CA	36	2.1 @ 20	2.1 @ 10	585	RHDP##	2.95	2.49	2.19

* CA-Common Anode/CC-Common Cathode †† Built in M5450 MOS IC driver # LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point ## 1st & 2nd digits only

LED Bar Graph Arrays (10 Elements)

★Web Code: LBW

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Number of Elements	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Pricing 1	10	100
1954957	Lite-On	LTA-1000P	0.20"	Bright Red	10	20	2.1 @ 20	0.7 @ 10	697	$1.05	$.85	$.69
697477	Lite-On	LTA-1000HR℞	0.20"	Hi-eff. Red	10	20	2.0 @ 20	2.0 @ 10	635	1.05	.85	.69
334529	ValuePro	UL10000-HR-RRAK	0.20"	Red	10	20	2.1 @ 20	1.6 @ 10	635	1.29	1.09	.89
334537	ValuePro	UL10000-Y-EWAK	0.20"	Yellow	10	20	2.1 @ 20	1.1 @ 10	585	1.19	.99	.79
697469	Lite-On	LTA-1000G℞	0.20"	Green	10	20	2.1 @ 20	2.0 @ 10	565	1.19	.99	.79
334511	ValuePro	UL10000-E-EWAK	0.20"	Green	10	20	2.1 @ 20	1.4 @ 10	567	1.19	.99	.79
1551402	Avago	HDSP-4832℞	0.20"	Hi-eff. Red, Yellow, Green	10	20	2.1/2.2 @ 20; 2.1 @ 10	3.5/1.9/1.9 @ 10	635/583/566	6.95	6.25	5.59

Light Bars

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

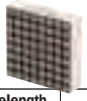
★Web Code: LTB

Part No.	Manufacturer	Product No.	Illuminated Color	Light Emitting Area	Package Fig.	Pins/ Leads	Typical Forward Volt	Typical Luminosity	Wavelength nm	Pricing 1	10	100
1954965	Lite-On	LTL-2600HR	Hi-eff Red	.350" x .150" (2)	2	8	2.1 @ 20	4200	635	$1.09	$.89	$.75
1954973	Lite-On	LTL-2800G	Green	.350" x .150" (2)	2	8	2.1 @ 20	4200	565	1.09	.89	.75
790188	Lite-On	LTL-2620HR℞	Hi-eff Red	.350" x .150" (4)	3	16	2.1 @ 20	4200	635	1.09	.89	.75
1954990	Lite-On	LTL-2820G	Green	.350" x .150" (4)	3	16	2.1 @ 20	4200	565	1.25	.99	.89
1955001	Lite-On	LTL-2720Y	Yellow	.350" x .150" (4)	3	16	2.1 @ 20	4200	585	1.09	.89	.75
334650	ValuePro	UB3541R-11-NRAK	Orange	.350" x .350" (1)	5	16	2.1 @ 20	7800	635	1.25	.99	.89
334668	ValuePro	UB3531R-11-NYAK	Yellow	.350" x .350" (1)	5	16	2.1 @ 20	5500	585	1.49	1.25	1.09
334676	ValuePro	UB3521R-11-NGAK	Green	.350" x .350" (1)	5	16	2.1 @ 20	6800	567	1.25	.99	.89
2005315	Lite-On	LTL-2350HR	Hi-eff Red	.750" x .150" (1)	1	8	2.1 @ 20	800	635	1.09	.89	.79
790153	Lite-On	LTL-2450Y℞	Yellow	.750" x .150" (1)	1	8	2.1 @ 20	800	585	1.09	.89	.79
2005323	Lite-On	LTL-2685HR	Hi-eff Red	.350" x .750" (1)	4	16	2.1 @ 20	1600	635	1.49	1.25	1.09
2005331	Lite-On	LTL-2885G	Green	.350" x .750" (1)	4	16	2.1 @ 20	1600	565	1.49	1.25	1.09

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

JAMECO ValuePro | Avago | Marktech | LITEON | Texas Instruments

LED Dot Matrix Displays (5x7, 5x8 & 8x8 Arrays)

5 x 7 Dot Matrix 5 x 8 Dot Matrix 8 x 8 Dot Matrix 

★Web Code: HAV

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Array Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Pricing 1	10	100
218843	Various	CSM57041T-11	0.7"	Red	5 x 7 CC/AR	12	1.8 @ 20	8.0 @ 20	660	$2.49	$1.95	$1.75
118906	Lite-On	LTP747R	0.7"	Hi-efficiency Red	5 x 7 AC/CR	12	2.0 @ 20	2.0 @ 80	655	2.95	2.25	1.89
2005420	Lite-On	LTP-747C	0.7"	AlGaAs Red	5 x 7 AC/CR	12	1.8 @ 20	5.8 @ 80	660	2.49	1.95	1.75
2005471	Lite-On	LTP-757KR	0.7"	AlInGaP Super Red	5 x 7 CC/AR	12	2.0 @ 20	3.4 @ 32	639	2.95	2.25	1.89
2005454	Lite-On	LTP-747E	0.7"	Orange	5 x 7 AC/CR	12	2.0 @ 20	2.0 @ 80	630	2.25	1.75	1.49
2005497	Lite-On	LTP-757G ℛ	0.7"	Green	5 x 7 CC/AR	12	2.1 @ 20	2.0 @ 80	565	1.95	1.75	1.25
1955061	Lite-On	LTP-1457AHR	1.2"	Hi-efficiency Red	5 x 7 AC/CR	14	2.0 @ 20	4.0 @ 80	635	3.49	2.95	2.25
1955079	Lite-On	LTP-1557AHR	1.2"	Hi-efficiency Red	5 x 7 CC/AR	14	2.1 @ 20	4.0 @ 80	565/630	3.49	2.95	2.49
335281	ValuePro	UJ1141-21-EWRN	1.2"	Orange	5 x 7 CC/AR	14	2.1 @ 20	4.6 @ 10	635	3.49	2.95	2.25
2005518	Lite-On	LTP-1557AKA ℛ	1.2"	AlInGaP Red Orange	5 x 7 CC/AR	14	2.05 @ 20	3.8 @ 80	621	2.95	2.49	1.95
1955087	Lite-On	LTP-1257AA-01	1.2"	Green/Red Orange	5 x 7 AC/CR	20	2.1/2.0 @ 20	4.0 @ 80	565/630	3.49	2.95	2.49
1955095	Lite-On	LTP-1057AE	1.24"	Red Orange	5 x 7 AC/CR	14	2.0 @ 20	4.0 @ 80	630	3.95	3.25	2.25
2005745	Lite-On	LTP-1057AGNB ℛ	1.24"	Green	5 x 7 AC/CR	14	2.1 @ 20	4.0 @ 80	565	2.95	2.49	1.95
1955108	Lite-On	LTP-1057AHR ✪	1.54"	Hi-efficiency Red	5 x 7 AC/CR	14	2.0 @ 20	4.0 @ 80	635	3.95	3.25	2.59
308144	Ledtech	LT5763-M1EWRN	1.54"	Red/Green	5 x 7 AC/CR	20	1.7/2.1 @ 20	10.8/20 @ 10	660/567	3.95	3.25	2.25
1955132	Lite-On	LTP-2157AHR-RD	2.0"	Hi-efficiency Red	5 x 7 CC/AR	14	2.0 @ 20	4.8 @ 80	635	3.95	3.35	2.89
2005753	Lite-On	LTP-2057AE	2.0"	Orange	5 x 7 AC/CR	14	2.0 @ 20	4.8 @ 80	630	3.95	3.35	2.89
1955116	Lite-On	LTP-2157AE	2.0"	Orange	5 x 7 CC/AR	14	2.0 @ 20	4.8 @ 80	630	3.95	3.35	2.49
335290	ValuePro	UJ2041-21 EWRN	2.0"	Orange	5 x 7 CC/AR	14	2.1 @ 20	6.0 @ 10	630	3.95	3.35	2.89
206560	Lite-On	LTP-2157AG	2.0"	Green	5 x 7 CC/AR	14	2.1 @ 20	4.8 @ 80	565	3.95	3.35	2.49
2077351	Lite-On	LTP-2657AA	2.0"	Green/Red Orange	5 x 7 AC/CR	28	2.1/2.0 @ 20	4.8 @ 80	565/630	3.95	3.35	2.89
1955159	Lite-On	LTP-2757AA	2.0"	Green/Red Orange	5 x 7 CC/AR	28	2.1/2.0 @ 20	4.8 @ 80	565/630	3.95	3.35	2.49
2005761	Lite-On	LTP-3057AC	3.0"	AlGaAs Red	5 x 7 AC/CR	14	3.6 @ 20	20 @ 80	660	4.49	3.95	3.39
1955167	Lite-On	LTP-4157AE	4.0"	Orange	5 x 7 CC/AR	14	4.0 @ 20	96 @ 80	630	4.95	4.19	3.59
1955175	Lite-On	LTP-4157AG	4.0"	Green	5 x 7 CC/AR	14	4.2 @ 20	96 @ 80	565	4.95	4.19	3.49
183265	Ligitek	LMD5821ASR-20 ℛ	2.3"	Red	5 x 8 CC/AR	14	1.7 @ 20	10.5 @ 10	660	3.95	3.59	3.19
1955183	Lite-On	LTP-2158AHR	2.3"	Hi-efficiency Red	5 x 8 CC/AR	14	2.1 @ 20	4.0 @ 48	635	2.95	2.49	1.95
1955191	Lite-On	LTP-2158AY	2.3"	Yellow	5 x 8 CC/AR	14	2.1 @ 20	4.8 @ 80	585	3.95	3.59	2.75
1955204	Lite-On	LTP-2458AA-NB	2.3"	Green/Red Orange	5 x 8 AC/CR	28	2.1/2.0 @ 20	4.8 @ 80	565/630	3.95	3.59	2.75
1955212	Lite-On	LTP-2558AA	2.3"	Green/Red Orange	5 x 8 CC/AR	28	2.1/2.0 @ 20	4.8 @ 80	565/630	3.95	3.59	2.75
1955221	Marktech	MTAN6385-AHRG	0.85"	Hi-efficiency Red	8 x 8 AC/CR	24	2.1 @ 20	7.4 @ 20	635	3.95	3.59	2.75

* AC-Anode Column / AR-Anode Row / CC-Cathode Column / CR-Cathode Row ✪ Blue Part No. = Limited Quantity Available

LED Dot Matrix with Decoder Driver (4x7 & 5x7 Arrays) Alphanumeric & Hexidecimal

4x7 Hex Character

5x7 Alpha Character

★Web Code: HAV

- Supply voltage: 5V

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	No. of Characters	Array Polarity	Pins/ Leads	Typical mcd	Wavelength nm	Pricing 1	10	100
1548844	Avago	HCMS-2903 ℛ	0.15"	Green	4 (1x4)	5 x 7 Alpha	12	0.114	568	$19.95	$18.95	$17.95
1551269	Avago	HDSP-2532 ℛ	0.18"	Hi-efficiency Red	8 (1x8)	5 x 7 Alpha	30	7.5	635	32.95	31.95	29.95
1551251	Avago	HDSP-2531 ℛ	0.18"	Yellow	8 (1x8)	5 x 7 Alpha	30	7.5	583	32.95	31.95	29.95
1584301	Avago	HDSP-2111 ℛ	0.20"	Yellow	8 (1x8)	5 x 7 Alpha	28	7.5	583	32.95	31.95	29.95
1551120	Avago	HDLG-2416 ℛ	0.20"	Green	4 (1x4)	5 x 7 Alpha	18	5.6	568	19.95	18.95	17.95
32951	Texas Instruments	TIL311	0.27"	Red	1	4 x 7 Hex	14	0.1	660	19.95	17.95	15.95
1584327	Avago	HDSP-2503 ℛ	0.27"	Hi-efficiency Green	8 (1x8)	5 x 7 Alpha	28	7.5	568	34.95	33.95	31.95
1551189	Avago	HDSP-0762 ℛ ✪	0.29"	Hi-efficiency Red	1	4 x 7 Hex	8	0.14	635	34.95	33.95	31.95

✪ Blue Part No. = Limited Quantity Available

JAMECO ValuePro

Multi-Chip, Bayonet and Cluster Based LED Replacement Lamps

★Web Code: KBZ

585 Series Non-Polarized

- Low current draw – 90% less energy than incandescent
- Mounts directly into industry standard socket
- No heat generated
- Long life – up to 100k hours

JAMECO EXCLUSIVE

Multi-Chip Based LED T1 - Midget Flange

Part No.	Product No.	Color	Nominal Voltage	Forward Current (mA) typ.	Intensity (mcd) typ.	Wavelength (nm)	Pricing 1	10	100
392681	585-4123	Green	14	14	550	630	$2.49	$2.19	$1.79
392690	585-4125	Yellow	14	20	530	630	2.49	2.19	1.79
392702	585-1225	Red	28	4.5	350	625	2.49	2.19	1.79

Bayonet Based LED T3

Part No.	Product No.	Color	Nominal Voltage	Forward Current (mA) typ.	Intensity (mcd) typ.	Wavelength (nm)	Pricing 1	10	100
394476	585-4123	Red	14	20	550	630	$2.95	$2.59	$1.95
394493	585-4125 ℛ	Red	28	14	350	630	2.95	2.59	1.95

Multi- Chip Based

392681

392702

Bayonet Based

394476

394493

Cluster-Based LED continued on next page

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

JAMECO ValuePro

Multi-Chip, Bayonet and Cluster Based LED Replacement Lamps (Continued)

★Web Code: KBZ

585 Series Non-Polarized

- Low current draw – 90% less energy than incandescent
- Mounts directly into industry standard socket
- No heat generated
- Long life – up to 100k hours

JAMECO EXCLUSIVE

Cluster-Based LED T3 - Miniature Bayonet (BA9s)

- Replaces incandescent lamp numbers: 44, 47, 313, 755, 1815, 1819, 1847, 1850, 1866, 1889, 1891, 1892, 1893, and 1895

Part No.	Product No.	Color	Nominal Voltage	Forward Current (mA) typ.	Intensity (mcd) typ.	Wavelength (nm)	Pricing 1	Pricing 10	Pricing 100
392552	585-5223ℛ	Red	14	20	7000	630	$4.95	$4.49	$3.95
392585	585-5523	Yellow	14	20	7000	588	4.95	4.49	3.95
392593	585-5225	Red	28	15	6500	630	4.95	4.49	3.95
392607	585-5325ℛ	Green	28	15	6000	525	4.95	4.49	3.95
392622	585-5525	Yellow	28	15	6000	588	4.95	4.49	3.95
392632	585-5256ℛ	Red	120VAC	5.5	6500	625	4.95	4.49	3.95
392649	585-5356	Green	120VAC	5.5	7000	525	4.95	4.49	3.95

392585

392593

Electroluminescence Wire

★Web Code: ELW

Imagine the possibilities of transforming ordinary objects with high tech visual effects. Wrap this fluorescent wire around any object such as musical instruments, models, science projects, and presentation boards. Super charge your projects with brilliant color.

- Powered by 2 AA batteries
- Length: 4.5'

Part No.	Mfr. Part No.	Color	1	5	25
263484	NWRB15	Blue	$22.95	$19.95	$17.95
263492	NWRR15	Red	22.95	19.95	17.95

More Information Online

Compare products online to quickly find the products you want with the specifications and real time product availability. Purchasing products has never been easier.

www.Jameco.com

Parallel LCD Displays

- For detailed specification sheets, please visit **www.Jameco.com**.

★Web Code: GCG

658890

210761

658902

1946050

658929

658953

Part No.	Manufacturer	Mfr. Part No.	Characters x Lines	Character Font	Input Data	Input Voltage	Letters-Backlight	Notes†	Module Size (W"xH"xD")	Display Size (W"xH")	Pricing 1	Pricing 5	Pricing 25
137373	Varitronix	MDLS16166D	16 x 1	5 x 8	8-bit	5.0V @ 0.6mA	Black-None	2, 3	3.1 x 1.4 x 0.4	2.5 x 0.5	$8.95	$7.95	$6.95
1939571	Hitachi	LM071L	16 x 2	5 x 7	8-bit	5.0V @ 1.0mA	Black-None	—	3.1 x 1.4 x 0.4	2.5 x 0.5	8.95	7.95	6.95
618003	Hantronix	HDM716216H-5-3005	16 x 2	5 x 7	8-bit	5.0V @ 1.25mA	Black-None	—	3.2 x 1.4 x 0.3	2.5 x 0.5	9.95	8.95	7.95
658988	Hantronix	HDM716216L-7-8C0	16 x 2	5 x 7	8-bit	5.0V @ 2.0mA	Black-Yellow	3	4.8 x 1.7 x 0.6	3.9 x 0.9	11.95	10.95	8.95
658890	Hantronix	HDM716216H-B-P00P	16 x 2	5 x 7	8-bit	5.0V @ 2.2mA	Black-None	3	3.3 x 1.7 x 0.4	2.4 x 0.6	13.95	12.49	11.25
658881	Hantronix	HDM716216H-4-H0AF	16 x 2	5 x 7	8-bit	5.0V @ 2.2mA	Black-None	3	4.8 x 1.7 x 0.4	3.9 x 0.9	14.95	13.49	11.95
171716	Ampireℛ	AC-162A	16 x 2	5 x 8	8-bit	5.5V @ 1.5mA	Black-Yellow/Green	2, 3	3.4 x 1.2 x 0.5	2.5 x 0.7	19.95	17.95	15.95
1954666	Tinsharp	TC1602Y-G	16 x 2	5 x 8	8-bit	5.0V @ 0.55mA	Black-Yellow/Green	—	3.1 x 1.4 x 0.4	2.5 x 0.4	9.95	8.95	7.95
1946068	Goldentek	C-1602A-1YN	16 x 2	5 x 8	8-bit	5.0V @ 1.0mA	Black-Yellow/Green	—	2.8 x 1.4 x 0.4	2.6 x 0.6	9.95	8.95	7.95
1585979	Tinsharp	TC1602B-B	16 x 2	5 x 8	8-bit	5.0V @ 1.3mA	Black-Blue	—	3.1 x 1.4 x 0.4	2.5 x 0.4	17.95	15.95	13.95
1954674	Tinsharp	TC1602B-W	16 x 2	5 x 8	8-bit	5.0V @ 1.3mA	White-Black	—	3.1 x 1.4 x 0.4	2.5 x 0.4	14.95	13.49	11.95
365982	PicVue	PVC160206QYL04	16 x 2	5 x 8	8-bit	5.0V @ 1.6mA	Black-Yellow/Green	—	3.3 x 1.2 x 0.5	2.4 x 0.63	13.95	12.49	10.95
2081166	Optrex	DMC16249	16 x 2	5 x 8	4-bit or 8-bit	5.0V @ 3.0mA	Black-Grey -None	—	3.1 x 1.4 x 0.4	2.5 x 0.5	9.95	8.95	7.95
210761	Various	UC-16401 (Samsung)	16 x 4	5 x 8	4-bit or 8-bit	6.5V @ 2.2mA	Black-None	1, 3	3.4 x 2.4 x 0.3	2.4 x 1.0	24.95	22.49	19.95
206615	Samsung	9936	20 x 1	5 x 7	4-bit or 8-bit	5.5V @ 3.0mA	Black-None	4	7.2 x 1.6 x 0.4	6.5 x 1.3	9.95	8.95	7.95
658902	Hantronix	HDM20216H-3+001P	20 x 2	5 x 7	8-bit	5.0V @ 2.2mA	Black-None	4	4.6 x 1.5 x 0.4	3.3 x 0.7	12.95	11.49	9.95
171724	Ampireℛ	AC-202A	20 x 2	5 x 8	8-bit	5.0V @ 1.7mA	Black-Yellow/Green	2, 3	4.6 x 1.5 x 0.4	3.3 x 0.7	24.95	22.49	20.25
1946050	Goldentek	GM-C2004A	20 x 4	5 x 8	8-bit	5.0V @ 1.5mA	Blue-Grey	—	3.8 x 2.7 x 0.3	3.0 x 1.0	9.95	8.95	7.95
658831	Hantronix	HDM402162H-4-S90P	40 x 2	5 x 7	8-bit	5.0V @ 2.2mA	Black-None	3	7.2 x 1.3 x 0.4	6.1 x 0.6	9.95	8.95	7.95
658929	Hantronix	HDM40216H-4-S9RP	40 x 2	5 x 7	8-bit	5.0V @ 2.2mA	Black-None	3	7.2 x 1.3 x 0.4	6.1 x 0.6	9.95	8.95	7.95
658937	Hantronix	HDM40216L-4-LCWF	40 x 2	5 x 7	8-bit	5.0V @ 3.0mA	Black-Yellow/Green	3	7.2 x 1.3 x 0.6	6.1 x 0.6	20.95	18.95	16.95
652332	Seiko Inst.	DMC4024	40 x 4	5 x 8	8-bit	5.0V @ 12mA	Black-None	—	7.5 x 2.1 x 0.4	5.5 x 0.9	22.95	19.95	16.95
658953	Hantronix	HDM64GS12L-4-N31S	128 x 64	128 x 64	8-bit	5.0V @ 2.0mA	Black-None	4	3.0 x 2.1 x 0.4	2.4 x 1.3	19.95	17.95	15.95

†**1**. Control LSI HD44780 & column driver MSM5259 or equivalents; **2**. Controller KS0066U or equivalent; **3**. Recommend power supply P/N 164101, pg 122; **4**. Dot Graphic LCD display

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 190.*

Serial LCD Displays & Incandescent Lamps

Serial LCD Displays

• For detailed specification sheets, please visit **www.Jameco.com**. • One-year warranty

Scott Edwards Electronics, Inc

★ *Web Code: QAW*

150990

281359

157323

281391

281412

Part No.	Manufacturer	Mfr. Part No.	Characters x Lines	Serial Input (bps)	Input Voltage	Letters-Backlight	Notes*	Module Size (W"xH"xD")	Display Size (W"xH")	Pricing 1	5	25
150990	Scott Edwards	ILM-216L	16 x 2	1200 - 9600	4.8V-5.5V @ 5mA	Black-Yellow/Green	1,2,5	3.2 x 2.0 x 0.5	2.8 x 1.0	$49.95	$44.95	$41.95
2081975	Crystal Fonz	CFA632-NFA-KS	16 x 2	2400 - 19,200	5.0V @ 9mA	Black-None	5	4.3 x 1.7 x 0.6	3.3 x 0.9	29.95	26.95	23.95
133129	Scott Edwards	BPI-216N	16 x 2	2400 or 9600	4.8V-5.5V @ 3mA	Black-None	1,2,11	3.1 x 1.4 x 0.7	2.8 x 1.0	55.95	49.95	44.95
174166	Matrix Orbital	LK162-12ℛ	16 x 2	1200 - 19,200	5.0V @ 9mA	Black-Yellow/Green	1,3,4,6	3.2 x 1.5 x 0.8	2.5 x 0.7	59.95	56.95	53.95
281332	Matrix Orbital	LK162-12-WBℛ ✪	16 x 2	1200 - 19,200	5.0V @ 9mA	White-Blue	1,7,10,14	3.2 x 1.4 x 1.1	2.5 x 0.7	48.95	—	—
693783	Matrix Orbital	LK162-12-1Yℛ	16 x 2	1200 - 19,200	5.0V @ 9mA	Yellow-None	1,7,10,13	3.2 x 1.4 x 1.1	2.5 x 0.7	44.95	—	—
174174	Matrix Orbital	LK202-25ℛ ✪	20 x 2	1200 - 19,200	5.0V @ 9mA	Black-Yellow/Green	1,7,10	4.6 x 1.5 x 1.1	3.1 x 0.7	49.95	—	—
693986	Matrix Orbital	LK202-25-IYℛ	20 x 2	1200 - 19,200	5.0V @ 9mA	Yellow/Green-Black	1,7,10,13	4.6 x 1.5 x 1.1	3.1 x 0.7	49.95	—	—
693994	Matrix Orbital	LK202-25-Rℛ	20 x 2	1200 - 19,200	5.0V @ 9mA	Red-Black	1,7,10,15	4.6 x 1.5 x 1.1	3.1 x 0.7	49.95	—	—
281359	Matrix Orbital	VK202-25 ✪	20 x 2 w/ keypad	1200 - 19,200	5.0V @ 130mA	Blue-Black	1,7,10	4.6 x 1.5 x 0.9	2.8 x 0.5	74.95	—	—
158166	Scott Edwards	SGX-120L	20 x 4 w/ graphics	2400 or 9600	4.8V-5.5V @ 15mA	Yellow-None	1,2,5	3.1 x 1.9 x 0.8	2.6 x 1.1	119.95	109.95	99.95
150957	Matrix Orbital	LCD2041	20 x 4	1200 - 19,200	5.0V @ 10mA	Black-Yellow/Green	1,3,4,6	3.9 x 2.4 x 0.7	3.0 x 1.0	69.95	66.49	62.95
157323	Matrix Orbital	LK204-25ℛ	20 x 4 w/ keypad	1200 - 19,200	5.0V @ 16mA	Black-Yellow/Green	1,3,4,6	3.7 x 2.4 x 1.1	3.0 x 1.0	74.95	70.95	67.95
694170	Matrix Orbital	LK204-25-IYℛ	20 x 4 w/ keypad	1200 - 19,200	5.0V @ 16mA	Yellow-Black	1,7,10,13	3.9 x 2.4 x 1.2	3.0 x 1.0	68.95	65.45	62.45
694188	Matrix Orbital	LK204-25-WBℛ	20 x 4 w/ keypad	1200 - 19,200	5.0V @ 16mA	White-Blue	1,7,10,14	3.9 x 2.4 x 1.2	3.0 x 1.0	68.95	65.45	62.45
281391	Matrix Orbital	GLK12232-25-SM	122 x 32 w/ graphics	9600 - 115,000	5.0V @ 250mA	Blue-White	1,8	3.4 x 1.4 x 0.5	2.4 x 0.7	74.95	70.95	67.95
281404	Matrix Orbital	GLK12232-25-FGW	122 x 32 w/ graphics	9600 - 115,000	5.0V @ 20mA	Black-White	1,8	3.9 x 2.4 x 0.4	3.3 x 1.4	82.95	78.95	74.95
174182	Matrix Orbital	GLC24064	240 x 64 w/ graphics	1200 - 19,200	5.0V @ 31mA	Black-Yellow/Green	1,3,6	7.1 x 2.6 x 0.7	5.2 x 1.5	165.95	157.95	149.95
281412	Matrix Orbital	GLK24064-25	240 x 64 w/ graphics	9600 - 115,000	5.0V @ 20mA	Black-Yellow/Green	1,9	7.1 x 2.6 x 1.1	5.0 x 1.3	168.95	—	—
694372	Matrix Orbital	GLK24064-25-GWℛ	240 x 64 w/ graphics	9600 - 115,000	5.0V @ 35mA	Green-White	1,9,12	7.1 x 2.6 x 0.7	5.0 x 1.3	164.95	155.95	148.95
694381	Matrix Orbital	GLK24064-25-WBℛ	240 x 64 w/ graphics	9600 - 115,000	5.0V @ 35mA	White-Blue	1,9,14	7.1 x 2.6 x 0.7	5.0 x 1.3	179.95	169.95	159.95

✪ Blue Part No. = Limited Quantity Available

* 1. For a power supply, Jameco recommends P/N 164101, pg 122
2. Includes instruction codes for character generation, cursor control, printing, etc. (Examples for Stamps in PBASIC included)
3. Manual included
4. Connect 16 modules using the same two wire interface
5. EEPROM stores text font, settings, and text screen
6. Backlight control, bar graphs, large digits, multiple displays, software contrast control, auto line wrapping, and auto scroll feature
7. Connect up to 127 modules on the same 2-wire interface
8. 122 x 32 pixel graphic display, text display using built-in or user supplied fonts, adjustable contrast, backlighting, and keypad interface
9. 240 x 64 pixel graphic display, text display using built-in or user supplied fonts, adjustable contrast, backlighting, and keypad interface
10. Built-in font provision for up to 8-user defined characters, software controlled brightness, use up to a 25-key keypad with one 10-key buffer, 6 general purpose outputs, horizontal or vertical bar graphs
11. LCD Serial Backpack® accepts RS232, CMOS or TTL signal
12. Grey text/white background
13. Inverse yellow
14. White text/blue background
15. Inverse red

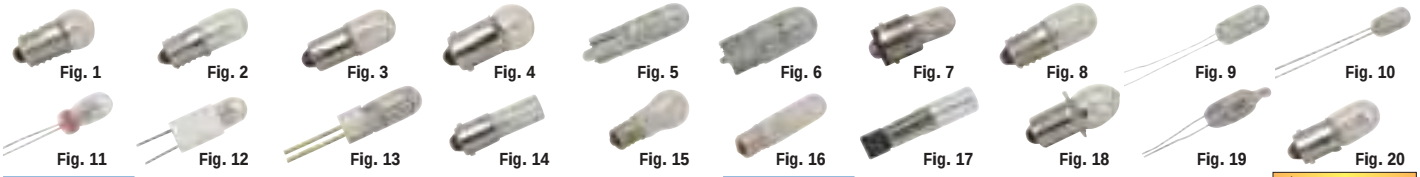


Fig. 1 Fig. 2 Fig. 3 Fig. 4 Fig. 5 Fig. 6 Fig. 7 Fig. 8 Fig. 9 Fig. 10
Fig. 11 Fig. 12 Fig. 13 Fig. 14 Fig. 15 Fig. 16 Fig. 17 Fig. 18 Fig. 19 Fig. 20

Incandescent Lamps

JAMECO ValuePro ✳ Order in multiples of 10

Part No.	Cross Ref.	*Mfr.	Fig.	Description	Volts	MSCP	1	10	100
209390	14	JVP	1	G3 1/2 miniature screw	2.47	.50	$.45	$.39	$.35
209402	40	JVP	2	T3 1/4 miniature screw	6.3	.50	.35	.29	.25
209411	44	JVP	6	T3 1/4 miniature bayonet	6.3	.90	.35	.29	.25
209429	46	JVP	2	T3 1/4 miniature screw	6.3	.90	.49	.45	.39
209437	47	JVP	3	T3 1/4 miniature bayonet	6.3	.50	.25	.22	.19
210403	51	JVP	4	G3 1/2 miniature bayonet	7.5	1.0	✳	.09	.08
209453	53	✦	4	G3 1/2 miniature bayonet	14.4	1.0	.35	.29	.25
209461	73	✦	5	T1 3/4 wedge	14	.30	.29	.25	.19
209488	86	JVP	5	T1 3/4 wedge	6.3	.40	.29	.25	.19
209509	161	✦	6	T3 1/4 wedge	14	1.0	✳	.19	.15
209525	194	✦	6	T3 1/4 wedge	14	2.0	✳	.09	.08
209761	685	✦	7	T1 midget flange	5	.05	.39	.35	.29
209808	757	✦	3	T3 1/4 miniature bayonet	28	.62	.35	.29	.25
209824	1813 ✪	✦	3	T3 1/4 miniature bayonet	14.4	.86	✳	.09	.08
209832	1815	✦	3	T3 1/4 miniature bayonet	14	1.4	✳	.09	.08
209859	1818	JVP	3	T3 1/4 miniature bayonet	24	3.3	.35	.29	.25
209883	1821	JVP	8	T3 1/4 screw	28	3.4	✳	.09	.08
141073	2182	JVP	9	T1 3/4 wire terminal	14	.34	.49	.45	.39
141066	2200ℛ	JVP	9	T1 3/4 wire terminal	5	.05	.49	.45	.39

✪ Blue Part No. = Limited Quantity Available

Incandescent Lamps (Cont.)

JAMECO ValuePro ★ *Web Code: DBH*

Part No.	Cross Ref.	*Mfr.	Fig.	Description	Volts	MSCP	1	10	100
141057	6833	JVP	10	T 3/4 wire terminal	5	.05	$.49	$.45	$.39
1943916	CM8-A241	✦	11	T1 wire terminal w/ blue cap	12	.15	.29	.25	.19
210008	7328	JVP	12	T1 3/4 bi-pin	6	.60	.69	.59	.55
141006	7361	✦	12	T1 3/4 bi-pin	5	.05	.45	.39	.35
210032	7382	JVP	12	T1 3/4 bi-pin	14	.30	.65	.59	.55
210041	7387	JVP	12	T3 1/4 bi-pin	28	.30	.65	.59	.55
210083	7839	JVP	13	T1 bi-pin	28	.15	.49	.45	.39
210092	120MBℛ	JVP	14	T2 miniature bayonet	120	1200	.75	.69	.55
309673	6S6	✦	15	S6 candelabra	120	—	✳	.19	.17
309681	20T6	✦	16	T6 1/2 20W intermediate	120	—	.29	.25	.19
210198	48PSB	JVP	17	T1 tel. slide base type 5	48	1800	.49	.45	.39
210219	60PSB	JVP	17	T2 tel. slide base type 5	60	2200	.49	.45	.39
210374	PR6	✦	18	B3 1/2 sngl cont. mini flange	2.47	.45	✳	.09	.08

Neon Lamps

JAMECO ValuePro ✳ Order in multiples of 10 ★ *Web Code: VAD*

Part No.	Cross Ref.	*Mfr.	Fig.	Description	Voltage	1	10	100
27351	A1A (NE-2)	JVP	19	Wire terminal .6mA	65-120	$.45	$.39	$.35
210260	A9A (NE-2E)	JVP	19	Wire terminal .7mA	65-120	✳	.19	.17
210315	C2A (NE-2H)	JVP	19	Wire terminal	65-120	.29	.25	.19
210286	B2A (NE-51H)	JVP	20	T3 1/4 miniature bayonet	65-120	.59	.55	.47

* JVP = Jameco ValuePro | ✦ Manufacturer Varies

★ *For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Optos

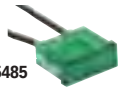
Neon Panel Mount Lamps

- Input voltage: 120V
- Mounting hole dia.: 5/8" (16mm)
- Solder terminals: 0.196" (5mm)

215803

1585485:
- Rectangular
- 6" wire leads
- Size: .91"L x .38"W x .77"D

★Web Code: JBJ


1585485

Part No.	Cross Ref. No.	Color	1	10	100
215803	R9-71N-05-120V-R℞	Red	$1.95	$1.75	$1.59
215812	R9-71N-05-120V-Y℞	Yellow	1.49	1.35	1.19
215830	R9-71N-05-120V-G℞	Green	1.49	1.35	1.19
1585485	32501001714	Green	.49	.35	.19

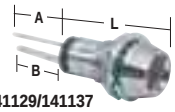
LED Panel Mount Indicators

- Easy panel installation
- Panel/status/instrument indicators

★Web Code: UAU

141111/141129/141137: Chrome housing

141111



141129/141137

637183

Part No.	Cross Ref. No.	Mfr.	LED Size	Color	Dimensions (in.) L	A	B	Mounting Hole	Vf @ If	Pricing 1	10	100
141111	L922SRD	JVP	T1	Red	.56	.34	.25	.23"	2V @ 20mA	$.85	$.75	$.69
141129	L913RD	JVP	T1	Red	.56	.39	.32	.24"	2V @ 20mA	1.39	1.25	1.15
141137	L917RD	JVP	T1¾	Red	.70	.55	.47	.31"	2V @ 20mA	1.19	1.05	.95
637183	UT2U1G-H113-R801-W05*	LED	T1¾	Green	.55	5.5	5.5	.24"	12V @ 10mA	1.19	1.05	.95

* Has internal resistor to run 12V@10mA

Incandescent/Neon Panel Mount Lamps

- Mounting hole: .310"Dia.

2099788: Incandescent type
- 2.7VDC @ 60mA
- 10" lead wires

1765849: Neon type
- 105VAC to 125VAC
- 4.4"/4.8" lead wires

1765849

Part No.	Mfr. Part No.	Color	1	10	100
2099788	970D00146	Red	$1.95	$1.75	$1.49
1765849	2150A1	Red	2.49	2.25	1.95

12V Incandescent Panel Mount Lamps

- **215715/215723/215732**: Solder terminals - 0.196" (5mm)

★Web Code: HBJ

Part No.	Cross Ref. No.	Fig.	Color	Mounting Hole	Wire Length	1	10	100
215750	R9-55B-W130-12V-R℞	1	Red	9/32" (7mm)	4.9" (125mm)	$1.49	$1.35	$1.19
215758	R9-55B-W130-12V-Y℞	1	Yellow	9/32" (7mm)	4.9" (125mm)	1.49	1.35	1.19
215766	R9-55B-W130-12V-G℞	1	Green	9/32" (7mm)	4.9" (125mm)	1.65	1.55	1.39
215774	R9-46B-W100-12V-R℞	2	Red	1/2" (13mm)	3.9" (100mm)	1.49	1.35	1.19
215782	R9-46B-W100-12V-Y℞	2	Yellow	1/2" (13mm)	3.9" (100mm)	1.49	1.35	1.19
215791	R9-46B-W100-12V-G℞	2	Green	1/2" (13mm)	3.9" (100mm)	1.49	1.35	1.19
215715	R9-71B-05-12V-R℞	3	Red	5/8" (16mm)	Terminals	1.85	1.69	1.49
215723	R9-71B-05-12V-Y℞	3	Yellow	5/8" (16mm)	Terminals	.95	.85	.75
215732	R9-71B-05-12V-G℞	3	Green	5/8" (16mm)	Terminals	1.49	1.35	1.19

Fig. 1

Fig. 2

Fig. 3

Lamp Socket

- T3 ¼ bayonet-mini
- Insulated

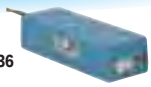
Part No.	Product No.	1	10	100
394302	35LH007	$1.95	$1.75	$1.59

3.9" to 12" Miniature Fluorescent Lamps

Now you can easily and affordably mount these fluorescent lamps to add cool cold-cathode effects and give your display a richer look and feel.

239610

2077474


239636

★Web Code: ABP

Part No.	Mfr.	Mfr. Part No.	Description	Size (L" x Dia.")	1	10	25
239610	VLM	FLW1	Cool white lamp	4 x .160	$8.95	$7.95	$6.95
2077474	JKL	FLC10-12	Cool white lamp†	10 x .120	7.95	6.95	6.25
2077458	JKL	FLC10-16	Cool white lamp†	10 x .160	7.95	6.95	6.25
2077466	JKL	FLC12-12	Cool white lamp†	12 x .120	7.95	6.95	6.25
239636	VLM	FLPS1℞	12VDC Power Supply for P/N 239610		10.95	9.95	8.95
2077440	VLM	FLPS	For P/N 2077474, 2077458, 2077466		7.95	6.95	5.95

† 1" solder terminals

4 1/2" LED Tail Lights

- Set of 4 lamps (SAE-J1133-DOT) with rubber seals for weather proofing/water resistance, and 16 mounting screws
- LED color: red
- 12VDC @ 500mA
- Main power wire: 6' long
- Tail cover color: red
- 3-wire interconnects with connectors 2" to 2.5", 2" to 4" wire length
- Use with automotives, cars, trucks, trailers and boats
- 30 (T1 ¾) LEDs on each lamp

Part No.	Mfr. Part No.	1	10	25
2076172	LTM-0332V1E-AB (set of 4)	$19.95	$17.95	$15.95

Oscillators

TTL Oscillators

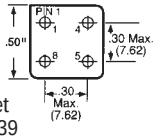
- Frequency stability ±100ppm
- Operating temp.: 0°C to 70°C
- Output load TTL: 10 TTL max.
- Machine tooled 4 pins

Half Can

Full Can

Half Can

- Input voltage: +3.3VDC ±10%
- Most fit into a 8-pos. DIP socket P/N 676385, pg 39



Pin #	Function
1	N/C
4	GND
5	Output
8	+5VDC

★Web Code: MAM

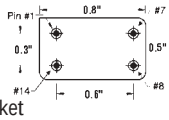
Part No.	*Mfr.	Frequency (MHz)	Max. Input Current	Rise Fall Time	Pricing 1	10	100
325462	✦	1.0	15mA	10ns	$1.19	$1.09	$.95
325471	✦	1.2288	15mA	10ns	1.19	1.09	.95
325489	✦	1.8432	15mA	10ns	1.19	1.09	.95
325497	✦	2.0	25mA	5ns	1.19	1.09	.95
325518	JVP	3.6864	15mA	10ns	1.35	1.19	1.09
325526	JVP	4.0	15mA	10ns	1.35	1.19	1.09
325569	JVP	8.0	30mA	10ns	1.35	1.19	1.09
354829	JVP	10.0	25mA	5ns	1.35	1.19	1.09
102779	✦	10.0	45mA	6ns	1.19	1.09	.95
325622	JVP	16.0	30mA	10ns	1.35	1.19	1.09
325631	JVP	16.257	30mA	10ns	1.35	1.19	1.09
325649	JVP	18.432	30mA	10ns	1.35	1.19	1.09
325665	JVP	20.0	30mA	10ns	1.35	1.19	1.09

Half Can (Continued)

Part No.	*Mfr.	Frequency (MHz)	Max. Input Current	Rise Fall Time	Pricing 1	10	100
325681	JVP	28.322	70mA	5ns	$1.35	$1.19	$1.09
325730	JVP	40.0℞	70mA	5ns	1.35	1.19	1.09
325737	JVP	48.0	70mA	5ns	1.35	1.19	1.09

Full Can

- Input volt.: +5VDC ±0.5VDC
- Most fit into a 14-pos. DIP socket P/N 133006, pg 39



Pin #	Function
1	N/C
7	GND
8	Output
14	+5VDC

★Web Code: XAD

Part No.	*Mfr.	Frequency (MHz)	Max. Input Current	Rise Fall Time	Pricing 1	10	50
27861	✦	1.0	7mA	15ns	$1.95	$1.79	$1.59
144207	✦	1.059	50mA	10ns	1.49	1.35	1.19
27879	✦	1.8432	7mA	15ns	1.95	1.79	1.59
27924	✦	2.0	7mA	15ns	1.49	1.35	1.19
27967	✦	4.0	7mA	10ns	1.95	1.79	1.59
354889	JVP	4.0℞	15mA	10ns	1.95	1.79	1.59

Full Can (Continued)

Part No.	*Mfr.	Frequency (MHz)	Max. Input Current	Rise Fall Time	Pricing 1	10	50
325374	JVP	4.9152	15mA	10ns	$1.49	$1.35	$1.19
325358	JVP	7.3728	15mA	10ns	1.49	1.35	1.19
27991	✦	8.0	15mA	15ns	1.95	1.79	1.59
354897	JVP	8.0℞	30mA	10ns	1.49	1.35	1.19
325331	JVP	9.216	30mA	10ns	1.49	1.35	1.19
27887	✦	10.0	15mA	10ns	1.95	1.79	1.59
27895	✦	12.0	15mA	10ns	1.95	1.79	1.59
27908	✦	16.0	15mA	10ns	1.49	1.35	1.19
325382	JVP	18.432	30mA	10ns	1.95	1.79	1.59
27932	✦	20.0	17mA	10ns	1.49	1.35	1.19
354918	JVP	20.0℞	30mA	10ns	1.19	1.09	.95
27941	✦	32.0	18mA	7ns	1.19	1.09	.95
76822	✦	33.0	18mA	6ns	1.95	1.79	1.59
153226	✦	40.0	15mA	6ns	1.19	1.09	.95
76831	✦	50.0	25mA	6ns	1.19	1.09	.95
2095381	✦	60.0	65mA	5ns	1.19	.99	.79
325420	JVP	66.666	70mA	5ns	1.49	1.35	1.19
76857	✦	100.0	25mA	3ns	1.95	1.79	1.59

* JKL = JKL Components | JVP = Jameco ValuePro | LED = Ledtech | VLM = Velleman Inc. | ✦ Manufacturer Varies

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

FOX SMD Oscillator

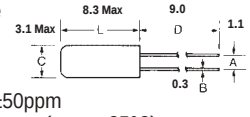
5.0V HCMOS/TTL output

- Frequency stability: ±100ppm
- Dimensions: 7.5mmW x 1.5mmH x 5.2mmD

Part No.	Product No.	Freq. (MHz)	Imped.	Pricing 1	10	100
1592263	F3345-200ℛ	20	25mA	$1.95	$1.79	$1.59

Tuning Forks

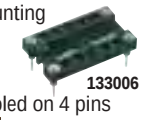
- Operating temperature range: -10°C to +60°C
- Frequency: 32.768kHz
- Drive level: 1mW
- Frequency tolerance: ±50ppm
- Aging for first year: ±3ppm (max. +25°C)



Part No.	Comparable to:	Imped.	1	10	100
14584	CY32.76	10.5pF	$.35	$.29	$.25
325244	JVP-325243ℛ	12.5pF	.35	.29	.25

Crystal Oscillator Sockets

- Good for prototyping and PCB mounting
- Can be PCB mounted without the modifications that would be needed with DIP-IC sockets
- Low profile solder tail; machine tooled on 4 pins


133006

Part No.	Description ★Web Code: COS	1	10	100
676385	8-pos. socket for half canℛ	$.39	$.35	$.29
133006	14-pos. socket for full can	.55	.45	.35

Fuse Holders ★Web Code: UEA

Omni-Blok® Molded Base Fuse Block

- Solder terminal • 1-3AG, 2-5x20mm
- Dielectric strength: 1500V min.
- Clip/terminals: tin plated spring brass

Part No.	Mfr. Part No.	Curr. Rating	Size	1	10	100
1712608	520101ℛ	10A, 300V	2 ...	$.69	$.65	$.59
1711947	354001-GYℛ	15A, 300V	1	.95	.85	.79

Panel Mount for 3AG Fuses

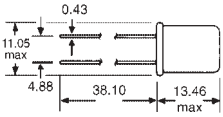
- Dielectric strength: 2400V min.
- Black thermoplastic, UL94V-0
- Terminals: copper & copper alloy, tin plated

Part No.	Mfr. Part No.	Curr. Rating	1	10	100
1711681	342012ℛ	20A ...	$1.99	$1.69	$1.59

For R/C Crystal Oscillators, See page 189

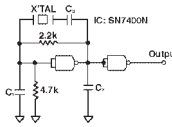
Crystals

- Frequency calibration tolerance: ±50ppm @ 25°C
- Freq. stability tolerance: ±50ppm from -10° to +60°C
- Operating temperature: -10°C to +60°C
- Shunt capacitance: 7pF max. • Drive level: 4.0mW max.



HC49/U (HC18/U) Case

Dimensions in millimeters



C1: 150-470 pF
C2: 220-820 pF
C3: Match crystal impedance

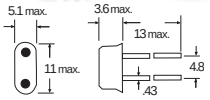
Application Reference (4~14MHz) (parallel resonance)

HC49/U (HC18/U) Case

Part No.	*Mfr.	Frequency (MHz)	Impedance	Pricing 1	10	100
102613	✦	1.8432	18pF	$.59	$.55	$.49
102621	✦	2.0	Series	.59	.55	.49
324283	JVP	2.0	Series	.29	.26	.23
101274	✦	2.4576	32pF	.59	.55	.49
14533	✦	3.579545	18pF	.59	.55	.49
324364	JVP	4.0ℛ	Series	.59	.55	.49
14592	✦	4.0	20pF	.59	.55	.49
324371	JVP	4.194	12pF	.29	.26	.23
324419	JVP	5.0	20pF	.29	.26	.23
324451	JVP	6.0	32pF	.29	.26	.23
324460	JVP	6.0	Series	.29	.26	.23
14710	✦	7.3728	30pF	.29	.26	.23
14728	✦	8.0	Series	.59	.55	.49
14381	✦	10.0	Series	.59	.55	.49
120061	✦	11.0592	Series	.59	.55	.49
324128	JVP	11.0592	Series	.29	.26	.23
324110	JVP	11.0592	32pF	.59	.55	.49
14402	✦	12.0	Series	.59	.55	.49
537799	✦	14.31818	Series	.29	.26	.23
14453	JVP	16.0	Series	.59	.55	.49
324216	JVP	18.0	20pF	.29	.26	.23
324233	JVP	18.432ℛ	20pF	.59	.55	.49
324241	JVP	19.6608	20pF	.29	.26	.23
324268	JVP	20.0ℛ	20pF	.59	.55	.49
14517	✦	20.0	Series	.59	.55	.49
324398	JVP	49.86	20pF	.29	.26	.23

★Web Code: EAU

HC49/US Low Profile Case



HC49/S Low Profile Case

JAMECO ValuePro HC49/US Low Profile Case

Part No.	*Mfr.	Frequency (MHz)	Impedance	Pricing 1	10	100
324988	JVP	3.6864	18pF	$.59	$.55	$.49
324962	JVP	4.0ℛ	20pF	.59	.55	.49
324929	JVP	5.0	20pF	.59	.55	.49
324902	JVP	5.0688	20pF	.59	.55	.49
324865	JVP	6.000	Series	.59	.55	.49
324857	JVP	6.144	32pF	.59	.55	.49
324849	JVP	6.500	20pF	.59	.55	.49
324822	JVP	7.3728 †	20pF	.59	.55	.49
324831	JVP	7.3728	20pF	.59	.55	.49
324814	JVP	7.68	20pF	.59	.55	.49
324786	JVP	8.0ℛ	20pF	.59	.55	.49
324769	JVP	9.000	Series	.59	.55	.49
324742	JVP	9.216	Series	.59	.55	.49
325227	JVP	11.0592	20pF	.59	.55	.49
325198	JVP	12.0 †	20pF	.59	.55	.49
325104	JVP	18.432	20pF	.59	.55	.49
325113	JVP	18.432ℛ	20pF	.59	.55	.49
325075	JVP	19.6608	7pF	.59	.55	.49
325964	JVP	19.6608	20pF	.59	.55	.49
325068	JVP	20.00ℛ	20pF	.59	.55	.49
325041	JVP	20.48	20pF	.59	.55	.49
325024	JVP	24.0	20pF	.59	.55	.49

† Industrial temperature range is -40°C to 85°C

HC49/S Low Profile Case

- Operating temp.: -10° to +60°C • ±5ppm/year max.
- Drive level: 0.5mW (fundamental frequency)
- Frequency stability tolerance: ±50ppm

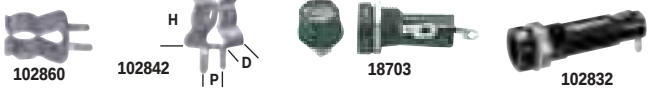
Part No.	Comparable:	Freq. (MHz)	Imped.	Pricing 1	10	100
137816	CY3.5795	3.5759	17pF	$.49	$.35	$.29
137832	CY4LP	4.000	17pF	.49	.35	.29
137859	CY8LP	8.000	Series	.49	.35	.29
137875	CY11.05LP	11.0592	Series	.49	.35	.29
137891	CY16LP	16.000	Series	.49	.35	.29

Fuse Holders & Clips ★Web Code: EEE

JAMECO ValuePro

Low Profile Fuse Clips †1. For GMA/GMD fuses 2. For 3AGC/MDL/AG fuses

- Low contact resistance • Withstands shock/vibration • Order in multiples of 10



102860 102842 18703 102832

Part No.	Description	For Use With†	Size (H" x W" x D" x P")	10	100	500
119280	5mm, side leads	1	.33 x .25 x .20 x .21	$.15	$.13	$.09
102860	5mm, front leadsℛ	1	.37 x .25 x .21 x .19 ...	.15	.13	.09
2099438	1/4", side leadsℛ	2	.42 x .25 x .20 x .21 ...	.15	.13	.09
102842	1/4", front leads (10A)ℛ	2	.32 x .27 x .25 x .23 ...	.15	.13	.09

5mm x 20mm Miniature Thumbscrew Cap Holders

- Straight solder terminal • Size: 1.5"L x 0.6"Dia.

Part No.	Approvals	Current	Mounting Hole	1	10	100	500
150464	CEℛ	6A @ 250VAC	.50"Dia. x .43"Flat ...	$1.09	$.99	$.89	$.79
102825	UL/CSAℛ	10A @ 250VAC	.50"Dia.	1.25	1.09	.95	.89

1¼" x ¼" Standard Thumbscrew Cap Holders

- Straight solder terminal • Current: 10A @ 250VAC

Part No.	Approvals	Size (L" x Dia.")	Mounting Hole	1	10	100	500
120994	CEℛ	1.95" x .71"	.58"Dia. (Double D-style)	$.95	$.85	$.69	$.65
18703	UL/CSAℛ	2.05" x .71"	.58"Dia. x .52"Flat (D-style) ...	1.59	1.35	1.19	.95

1¼" x ¼" PCB Fuse Holder • 16A @ 250V • Bussman

Part No.	*Mfr.	Approvals	Size (L" x Dia.")	Mounting Hole	1	10	100
1769743	BSM	UL/CSA/VDE	1.855 x .51	.4 x .4 grid	$6.49	$5.95	$5.49

5mm x 20mm Miniature Low Profile Fuse Holder

- Current: 10A @ 250VAC • D-style

Part No.	Approvals	Size (L" x Dia.")	Mounting Hole	1	10	100
102832	UL/CSA	1.4 x 0.6	.5"Dia. x .46"flat	$2.49	$2.19	$1.99

5mm x 20mm Miniature In-Line Fuse Holder

Part No.	AWG	Wire Color	Body Size	1	10	100
109330	20	Red	1.8"L	$.69	$.65	$.59

1¼" x ¼" Standard In-Line Fuse Holders

102868

- Built-in spring ensures good fuse connection
- Vinyl covered wire with stranded copper center

Part No.	AWG	Wire Lengths	Body Length	Body Color/Wire Color	1	10	100
109322	22ℛ	3.5/3"	2.4"	Black/Red	$.79	$.75	$.69
102868	20ℛ	3/3"	2.2"	White/Red	.89	.79	.69
151918	18ℛ	6/6"	2.4"	White/Red	1.19	1.09	.95
108784	16ℛ	21/26"	2.2"	Black/Orange	1.79	1.55	1.29
108792	14ℛ	19/25"	2.5"	Black/Red	2.49	2.25	1.95

* BSM = Bussman | JVP = Jameco ValuePro | ✦ Manufacturer Varies

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Passives

JAMECO ValuePro

5mm x 20mm Mini Fast Acting GMA Fuses (250V)

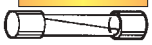
★Web Code: QAM

- Recommended for new designs

Part No.	*Mfr.	Cross Ref.	Amps	1	10	100
103887	JVP	GMA-250mA℞	.25A	$.29	$.25	$.22
102041	JVP	GMA-500mA℞	.5A	.29	.25	.22
103908	JVP	GMA-1℞	1A	.29	.25	.22
103916	JVP	GMA-2℞	2A	.29	.25	.22
103924	JVP	GMA-3℞	3A	.29	.25	.22
103932	JVP	GMA-5℞	5A	.29	.25	.22

1 1/4" x 1/4" Standard Fast Acting (250V) AGC/3AG Fuses

★Web Code: AAB



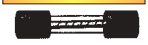
Part No.	*Mfr.	Cross Ref.	Amps	1	10	100
652826	LTL	312.062.HXP✪	.0625A	$1.45	$1.39	$1.29
69404	JVP	AGC-250mA℞	.25A	.29	.25	.22
10410	JVP	AGC-0.5	.5A	.29	.25	.22
10373	JVP	AGC-1℞	1A	.29	.25	.22
652949	LTL	312001.HXP℞	1A	.29	.25	.22
197528	JVP	AGC-1.6	1.6A	.29	.25	.22
10382	JVP	AGC-2℞	2A	.29	.25	.22
197536	JVP	AGC-25	2.5A	.29	.25	.22
69439	JVP	AGC-3R℞	3A	.29	.25	.22
197544	JVP	AGC-4	4A	.29	.25	.22
10402	JVP	AGC-5℞	5A	.29	.25	.22
653010	LTL	312005.HXP℞	5A	.29	.25	.22
197552	JVP	AGC-6.3	6.3A	.29	.25	.22
69462	JVP	AGC-10	10A	.29	.25	.22
186301	JVP	AGC-16	16A	.29	.25	.22

✪ Blue Part No. = Limited Quantity Available

Fuses

5mm x 20mm Mini Slow Blow GMD Fuses (250V)

★Web Code: RAM



Part No.	*Mfr.	Cross Ref.	Amps	1	10	100
197502	JVP	GMD-500mA℞	500mA	$.39	$.35	$.29
197465	JVP	GMD-1℞	1A	.39	.35	.29
197472	JVP	GMD-2	2A	.39	.35	.29
197482	JVP	GMD-3.15℞	3.15A	.39	.35	.29
197500	JVP	GMD-5℞	5A	.39	.35	.29

1 1/4" x 1/4" Standard Slow Blow MDL/3AG Fuses (250V)

★Web Code: EAD

Part No.	*Mfr.	Cross Ref.	Amps	1	10	100
653263	LTL	313.010.HXP℞	.01A	$2.49	$2.29	$1.99
653280	LTL	313.040.HXP℞	.04A	2.95	2.79	2.59
653301	LTL	313.100.HXP℞	.10A	1.59	1.49	1.39
653335	LTL	313.187HXP℞	.187A	1.69	1.55	1.39
25655	JVP	MDL-1/4℞	.25A	.59	.55	.49
653386	LTL	313.400HXP℞	.4A	1.39	1.25	1.09
25689	JVP	MDL-1/2	.5A	.59	.55	.49
653423	LTL	313.750HXP℞	.75A	.99	.89	.79
25639	JVP	MDL-1℞	1A	.59	.55	.49
25646	JVP	MDL-2	2A	.59	.55	.49
69535	JVP	MDL-3℞	3A	.49	.45	.39
653511	LTL	313003HXP℞	3A	.59	.55	.49
25672	JVP	MDL-5℞	5A	.59	.55	.49
653589	LTL	313008.HXP℞✪	8A	.99	.89	.79
69570	JVP	MDL-10℞	10A	.59	.55	.49
653600	LTL	313.012.HXP℞	12A	1.59	1.49	1.39
653626	LTL	313.020.HXP℞	20A	1.59	1.49	1.39

✪ Blue Part No. = Limited Quantity Available

1 1/4" x 1/4" Ceramic Fast Acting 3AB Fuses (250V)

★Web Code: ABF

Part No.	*Mfr.	Cross Ref.	Amps	1	10	100
656835	LTL	314.025HXP℞	.25	$1.39	$1.25	$1.09
656851	LTL	314.750HXP℞	.75	.89	.79	.69
656860	LTL	314001.HXP℞	1	.89	.79	.69
656940	LTL	314008.HXP℞	8	.99	.89	.79
656966	LTL	314012.HXP℞	12	.69	.59	.49

5mm x 20mm Fast Acting Fuse Kit

- Glass cartridge, silver-end caps
- Voltage rating: 250VAC
- IEC127/BS4265/CEE4 spec.
- 100 pieces: 10 ea. of 0.1A, 0.2A, 0.5A, 1A, 1.6A, 2A, 2.5A, 3A, 4A and 5A

Part No.	Product No.	1	10	25
645343	K/FF	$12.95	$11.95	$10.95

Circuit Breakers

- Quick connect style terminals
- Actuator: black plastic button
- Mounting hole: 0.450"
- Included hardware: nut, knurled nut, ID plate

★Web Code: LCF

Part No.	Mfr. P/N	Curr. Rating (A @ VAC)	1	10	100	500
621376	35-2105℞	5 @ 125/250	$3.95	$3.69	$3.29	$2.95
621413	35-2110	10 @ 125/250	3.95	3.69	3.29	2.95
621430	35-2115	15 @ 125/250	3.95	3.69	3.29	2.95
621448	35-2120	20 @ 125/250	3.95	3.69	3.29	2.95

Resettable Fuses

Polymer Positive Temperature Coefficient (PPTC) fuses have provided designers in numerous industries a new tool in their battle to improve product quality and performance. As PPTC fuses are resettable, warranty costs and service calls are largely avoided.

- Rated voltage: (V_{MAX}): 60V
- Max. current: (I_{MAX}): 40A
- Lead length (D): 7.6mm min.
- Thickness (E): 3.1mm max.

★Web Code: SBF

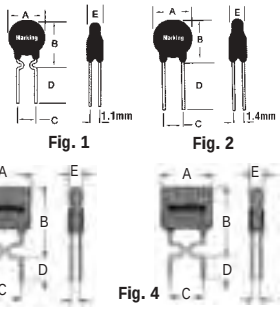


Fig. 1 Fig. 2 Fig. 3 Fig. 4

Part No.	Mfr. P/N	Hold Curr. (I_H, A)	Trip Curr. (I_T, A)	Fig.	Size (mm) A	B	C	E	Pricing 1	10	100
199832	RA020-60℞	0.20	0.40	1	7.4	12.2	5.1	3.1	$.59	$.55	$.49
199858	RA030-60℞	0.30	0.60	1	7.4	13.0	5.1	3.1	.59	.55	.49
199874	RA050-60℞	0.50	1.00	1	7.9	13.7	5.1	3.1	.59	.55	.49
199891	RA075-60℞	0.50	1.50	1	10.4	15.2	5.1	3.1	.59	.55	.49
199882	RA065-60℞	0.65	1.30	1	9.7	14.5	5.1	3.1	.59	.55	.49
199912	RA110-60℞	1.10	2.20	2	13.0	18.0	5.1	3.1	.59	.55	.49
199997	RB110-30℞	1.10	2.20	3	7.4	14.2	5.1	3.0	.59	.55	.49
199938	RA160-60℞	1.60	3.20	2	16.3	21.3	5.1	3.1	.59	.55	.49
200062	RB500-30℞	5.00	10.00	4	14.0	24.9	10.2	3.0	.59	.55	.49

LA & ZA Equivalent Series Radial Leaded Varistors

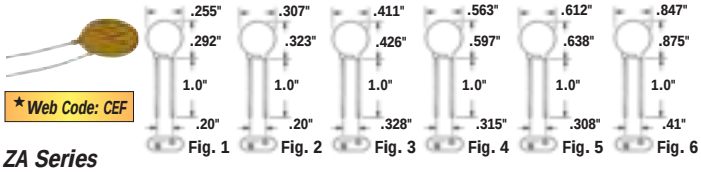


Fig. 1 Fig. 2 Fig. 3 Fig. 4 Fig. 5 Fig. 6

★Web Code: CEF

ZA Series

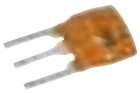
Part No.	*Mfr.	Product No.	Continuous Voltage $V_{M(AC)}$	$V_{M(DC)}$	Transient Energy Joules	Max. Clamping Voltage V_C	$I_{PK(A)}$	Fig.	Pricing 1	10	100
666793	JVP	V22ZA1℞	7	14	22	0.9	43	1	$.25	$.22	$.19
667382	JVP	V18ZA1℞	11	18	0.8	36	2.5	1	.25	.22	.19
666785	JVP	V22ZA05℞	14	22	0.4	80	1	3	.25	.22	.19
666822	JVP	V24ZA50℞	14	22	13	43	20	6	.25	.22	.19
666831	JVP	V27ZA05℞	17	27	0.5	60	1	3	.25	.22	.19
666777	JVP	V18ZA40℞	20	11	18	10	36	6	.25	.22	.19
666881	JVP	V56ZA8℞	35	56	10	110	10	5	.25	.22	.19
666890	JVP	V68ZA2-VP℞	40	68	2.5	135	2.5	1	.25	.22	.19
666929	JVP	V82ZA4℞	50	82	8	135	25	2	.25	.22	.19
666953	JVP	V150ZA20℞	95	150	50	250	100	6	.25	.22	.19
666988	JVP	V180ZA10℞	115	180	30	300	50	5	.25	.22	.19
667008	JVP	V330ZA05℞	210	330	6.5	580	5	3	.25	.22	.19

LA Series

34446	✦	V130LA10A	130	175	38	340	50	4	$.39	$.35	$.29
34462	✦	V130LA20A	130	175	70	340	100	6	.59	.55	.49
1762883	LTL	V130LA20AP℞	130	175	70	340	100	6	.59	.55	.49
667067	JVP	V140LA5℞	130	200	70	340	50	2	.25	.22	.19
667059	JVP	V130LA20B℞	130	200	140	340	100	6	.59	.55	.49
667121	JVP	V150LA20A℞	150	240	170	395	100	6	.39	.35	.29
34471	✦	V250LA20	250	330	72	650	50	4	.39	.35	.29
667198	JVP	V320LA40B℞	320	510	382	845	100	6	.59	.55	.49
667219	JVP	V420LA40B℞	420	680	23	1120	100	6	.59	.55	.49
667227	JVP	V480LA40A℞	485	780	148	1290	50	4	.25	.22	.19
667235	JVP	V480LA80B℞	485	780	265	1290	100	6	.59	.55	.49

JAMECO ValuePro

Ceramic Resonators



- Frequency accuracy: ±0.5% @ 25°C
- Extended temp. range: -20°C to +85°C
- Withstanding volt. (5 sec): 100V max.

Part No.	Product No.	Frequency	Resistance	Pins	1	10	100
324620	TZTA-6.00MT	6.0MHz	30Ω	2	$.49	$.45	$.39
324638	TZTA-8.00MT	8.0MHz	25Ω	2	.49	.45	.39
324727	TZTT-8.00MT℞	8.0MHz	25Ω	3	.49	.45	.39
324566	TZTA-12.00MT	12.0MHz	25Ω	2	.49	.45	.39
324582	TZTA-20.00MT	20.0MHz	55Ω	2	.49	.45	.39
324672	TZTT-20.00MT℞	20.0MHz	55Ω	3	.49	.45	.39

* JVP = Jameco ValuePro | LTL = Littelfuse | ✦ Manufacturer Varies

℞ RoHS compliant product ✦ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Component Cabinet Kits

Includes the Most Popular Components with Extra Spaces for Your Customized Expansion

- **Each kit includes drawer component cabinet (319600) and 20 plastic dividers (319611)**
- Each kit has the most popular component in its category
- Each kit is designed for your specific expansion
- Includes identification labels for each drawer, with reorder numbers to replenish stock and blank adhesive labels for empty drawers
- Free standing or wall mountable cabinet
- Weight of kits: 4.6 to 6.4 lbs.
- Cabinet size: 6.0"L x 15.0"W x 7.9"H
- Drawer size: 5.5"L x 2.7"W x 1.5"H
- 20 clear plastic drawers (319601) and 20 dividers (319611)
- Cabinet: ABS-black (P/N **319600** see pg 169)

20-drawer component cabinet with every kit!

85059 (Switch Kit)

81841 (Capacitor Kit)

7400 Series IC Kit — SAVE $155

Includes 350 pcs. (30 Types) 7400 (TTL) Integrated Circuits

10 each	10 each	10 each	10 each	10 each	20 each
7402	7416	7438	74121	74157	7400
7405	7417	7447	74123	74160	7404
7408	7420	7470	74132	74174	7406
7410	7430	7485	74151	74175	7407
7414	7432	74107	74153	74279	7474

Part No.	Description	1	5
84953	350 pcs. 7400 series IC kit	$199.95	$179.95

74LS00 Series IC Kit — SAVE $72

Includes 420 pcs. (35 Types) 74LS00 (TTL) Integrated Circuits

10 each	10 each	10 each	10 each	20 each
74LS05	74LS73	74LS125	74LS193	74LS00
74LS10	74LS75	74LS139	74LS240	74LS02
74LS11	74LS85	74LS151	74LS244	74LS04
74LS14	74LS86	74LS155	74LS245	74LS08
74LS20	74LS90	74LS157	74LS273	74LS32
74LS30	74LS93	74LS174	74LS373	74LS74
74LS47	74LS123	74LS175	74LS374	74LS138

84961	420 pcs. 74LS series IC kit	$149.95	$129.95
130391	Refill for 84961 (420 pcs.)	134.95	119.95

CD4000 Series (CMOS) IC Kit

Includes 300 pcs. (25 Types) CD 4000 Series Integrated Circuits

10 each	10 each	10 each	10 each	20 each
CD4015	CD4024	CD4051	CD4093	CD4001
CD4016	CD4027	CD4069	CD4511	CD4011
CD4017	CD4040	CD4070	CD4538	CD4013
CD4020	CD4046	CD4071	CD4543	CD4049
CD4023	CD4050	CD4081	CD4584	CD4066

84970	300 pcs. CD 4000 series IC kit	$79.95	$69.95
130403	Refill for 84970 (300 pcs.)	64.95	59.95

Linear IC Kit — SAVE $51

10 each	10 each	10 each	10 each	20 each
TL72CP	LM337T	LF412CN	ULN2803A	LM317T
TL74CN	LF353N	LMC555CN	NE5532N	LM324N
TL082CP	LF356N	LM556N	7808T	LM339N
TL084CN	LM358N	LM723CN	78L12CZ	LM741CN
MAX232CPE	LM386N-1	LM1458N	7815T	LM555CN
LM301N	LM386N-3	DS1488N	7905T	7805T
LM308N	LM393N	DS1489N	7912CT	78L05CZ
LM311N	LF411CN	ULN2003AN	7915CT	7812T

84988	480 pcs. (40 types) Linear IC kit	$189.95	$169.95
130411	Refill for 84988 (480 pcs.)	174.95	159.95

Transistor Kit

Includes 560 pcs. (20 Types)

10 each	10 each	10 each	10 each	100 each
2N2222A	2N4401	MJE3055T	TIP31A	2N3904
2N2907A	2N4403	MPF102	TIP32A	2N3906
2N3053	2N5951	MPSA06	TIP102	PN2222
2N3055	2N7000	MPSA13	TIP120	PN2907

82595	560 pcs. Transistor kit	$69.95	$59.95
130374	Refill for 82595 (560 pcs.)	54.95	49.95

Diode and Rectifier Kit — SAVE 12%

Includes 420 pcs. (15 Types) Zener Switching & Silicon Rectifiers

10 each	10 each	10 each	10 each	100 each
1N270	1N4007	1N4735A	1N5408	1N914
1N751A	1N4150	1N4742A	C106B1	1N4004
1N4001	1N4733A	1N5404	KBP04M	1N4148

82587	420 pcs. Diode kit	$39.95	$34.95
130366	Refill for 82587 (420 pcs.)	29.95	26.95

1/8-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 Values) 1/8-Watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	390Ω	2.2kΩ	6.8kΩ	47kΩ	100Ω	4.7kΩ
47Ω	470Ω	2.7kΩ	15kΩ	470kΩ	220Ω	10kΩ
150Ω	680Ω	3.3kΩ	22kΩ	1MΩ	1kΩ	100kΩ
270Ω	1.5kΩ	5.1kΩ	27kΩ	10MΩ	—	—
330Ω	2KΩ	5.6kΩ	33kΩ	—	—	—

Part No.	Description	1	5
108329	540 pcs. 1/8-watt Resistor kit	$25.95	$22.95
108303	Refill for 108329 (540 pcs.)ℛ	10.95	8.95

1/4-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 Values) 1/4-Watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	390Ω	2kΩ	5.6kΩ	47kΩ	100Ω	4.7kΩ
47Ω	470Ω	2.2kΩ	15kΩ	470kΩ	220Ω	10kΩ
150Ω	680Ω	2.7kΩ	20kΩ	1MΩ	1kΩ	100kΩ
270Ω	1.2kΩ	3.3kΩ	22kΩ	10MΩ	—	—
330Ω	1.5kΩ	5.1kΩ	33kΩ	—	—	—

81832	540 pcs. 1/4-watt Resistor kit	$27.95	$25.95
103166	Refill for 81832 (540 pcs.)ℛ	12.95	10.95

1/2-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 Values) 1/2-Watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	390Ω	2.2kΩ	6.8kΩ	47kΩ	100Ω	4.7kΩ
47Ω	470Ω	2.7kΩ	15kΩ	470kΩ	220Ω	10kΩ
150Ω	680Ω	3.3kΩ	22kΩ	1MΩ	1kΩ	100kΩ
270Ω	1.5kΩ	5.1kΩ	27kΩ	10MΩ	—	—
330Ω	2kΩ	5.6kΩ	33kΩ	—	—	—

107879	540 pcs. 1/2-watt Resistor kit	$29.95	$26.95
107853	Refill for 107879 (540 pcs.)ℛ	15.95	14.25

1/2-Watt Single Turn Cermet Pot Kit

10 each	10 each	10 each	10 each	10 each
63P500Ω	63P2kΩ	63P10kΩ	63P50kΩ	63P500kΩ
63P1kΩ	63P5kΩ	63P20kΩ	63P100kΩ	63P1MΩ

85032	100 pcs. single turn Pot kit	$74.95	$64.95

3/4-Watt 15 Turn Cermet Pot Kit

Includes 100 pcs. (10 Values) 3/4-Watt Linear Taper Potentiometer

10 each	10 each	10 each	10 each	10 each
43P500Ω	43P2kΩ	43P10kΩ	43P50kΩ	43P500kΩ
43P1KΩ	43P5kΩ	43P20kΩ	43P100kΩ	43P1MΩ

85041	100 pcs. 15 turn Pot kit	$84.95	$74.95

LEDs & Mounting Hardware Kit — SAVE $14

Includes 560 pcs. (20 Types) LEDs and Mounting Hardware

10 each	10 each	10 each	10 each	100 each
11359	34657	34761	114673	23077
11797	34673	104248	114681	95513
14277	34690	104256	136493	202471
34606	34711	104264	175695	2006730

84996	560 pcs. LED & Hardware kit	$69.95	$59.95

Switch Kit — SAVE $41

Includes 150 pcs. (15 Types) Pushbutton, DIP & Toggle Switches

10 each	10 each	10 each	10 each	10 each
21910	21979	26358	26649	109171
21936	26315	26367	38818	139012
21952	26331	26623	76523	153252

85059	150 pcs. Switch kit	$119.95	$109.95

Spacers & Electronic Hardware Kit — SAVE $173

Includes 2700 pcs. (27 Types) Spacer, Hex Nuts Flat, Tooth & Lock Washers and Slotted PH Screws

100 each Spacers	100 each Hex Nuts	100 each Flat	100 each Internal Tooth	100 each Split Lock	100 each PH Machine
—	2-56	#2	#2	#2	2-56 x 1/4, 1/2
4-40	4-40	#4	#4	#4	4-40 x 1/4, 1/2
6-32	6-32	#6	#6	#6	6-32 x 1/4, 1/2
8-32	8-32	#8	#8	#8	8-32 x 1/4, 1/2

Part No.	Description	1	5
108433	2700 pcs. Electronic Hardware kit	$99.95	$89.95

Monolithic Ceramic Capacitor Kit

Includes 280 pcs. (10 Types) 50V ±20% Monolithic Ceramic Caps.

10 each	10 each	10 each	10 each	100 each
22pF	.001µF	.047µF	.22µF	.01µF
100pF	.0022µF	.47µF	1µF	.1µF

171475	280 pcs. Monolithic Cap. kit	$36.95	$32.95
171483	Refill for 171475 (280 pcs.)	24.95	21.95

Radial Electrolytic Capacitor Kit

Includes 240 pcs. (15 Values) Radial Electrolytic Capacitors

10 each	10 each	20 each	20 each	20 each
100µF @ 50V	1000µF @ 16V	1µF @ 50V	3.3µF @ 50V	22µF @ 50V
220µF @ 25V	2200µF @ 25V	1µF @ 100V	4.7µF @ 50V	47µF @ 50V
470µF @ 25V	3300µF @ 25V	2µF @ 50V	10µF @ 50V	100µF @ 25V

81867	240 pcs. Radial Capacitor kit	$39.95	$34.95
130331	Refill for 81867 (240 pcs.)	29.95	24.95

Axial Capacitor Kit — SAVE $15

Includes 140 pcs. (10 Values) ±20% Axial Electrolytic Capacitors

10 each	10 each	10 each	20 each	20 each
47µF @ 50V	220µF @ 50V	1000µF @ 25V	1µF @ 50V	4.7µF @ 50V
100µF @ 50V	470µF @ 50V	2200µF @ 16V	2.2µF @ 50V	10µF @ 50V

81875	240 pcs. Radial Capacitor kit	$39.95	$34.95
130340	Refill for 81875 (140 pcs.)	26.95	23.95

Ceramic Disc Capacitor Kit — SAVE $21

Includes 520 pcs. (10 Values) 50V Ceramic Disc Capacitors

20 each	20 each	20 each	100 each	100 each
10pF	47pF	470pF	.022µF	.01µF
22pF	100pF	.001µF	.047µF	.1µF

81859	520 pcs. Ceramic Capacitor kit	$34.95	$29.95
130232	Refill for 81859 (520 pcs.)	22.95	19.95

Mylar Capacitor Kit — SAVE $20

Includes 280 pcs. (10 Values) 100V ±10% Mylar Capacitors

10 each	10 each	10 each	10 each	100 each
.001µF	.022µF	.047µF	.47µF	.01µF
.0068µF	.033µF	.22µF	1µF	.1µF

81883	280 pcs. Mylar Capacitor kit	$39.95	$34.95
130358	Refill for 81883	29.95	24.95

Dipped Tantalum Capacitor Kit

Includes 150 pcs. (15 Values) ±20% Dipped Tantalum Capacitors

10 each	10 each	10 each	10 each	10 each
.1µF @ 35V	1µF @ 25V	3.3µF @ 35V	10µF @ 16V	22µF @ 16V
.22µF @ 35V	1µF @ 16V	4.7µF @ 35V	10µF @ 35V	33µF @ 25V
.47µF @ 25V	2.2µF @ 16V	6.8µF @ 35V	15µF @ 25V	47µF @ 25V

81841	150 pcs. Tantalum Capacitor kit	$79.95	$69.95
130260	Refill for 81841 (150 pcs.)	64.95	54.95

Component Grab Bags

3 LEVELS OF SAVINGS: NAME BRANDS | HOUSE BRANDS | FACTORY OVERRUN

135394 – Capacitors

135271 – LEDs

169578 – Photocells

18294 – Toy Motors

149649 – Fans

55968 – Spacers

319600 – Cabinet

• Opened grab bags are not returnable • Use our 20-drawer cabinet w/ labels to store your components, P/N 319600

Shaded in brown on this page you will find Jameco's nine (9) most popular component Grab Bags. They are all individually bagged, and are combined to make up the Schwab's School Selection (P/N 163213) referenced towards the bottom of the page.

Capacitor Assortments

Part No.	Product No.	Description	Wt. (lbs.)	1	10
17857	GB100	200 assorted ceramic disc capacitors	0.2	$6.95	$5.95
135335	GB100LB	900 assorted ceramic disc capacitors	1.0	14.95	12.95
17881	GB101	100 assorted mylar capacitors	0.3	5.95	4.95
135458	GB101LB	400 assorted mylar capacitors	1.0	14.95	12.95
17911	GB102	100 assorted electrolytic capacitors radial, axial, snap	0.5	6.95	5.95
135394	GB102LB	300 assorted electrolytic capacitors radial, axial, snap (photo above)	1.0	12.95	10.95
17945	GB103	100 assorted tantalum capacitors (dipped epoxy and solid tubular)	0.1	12.95	10.95

Inductors and Chokes

Part No.	Product No.	Description	Wt. (lbs.)	1	10
2081342	GB200	100 assorted axial chokes & inductors	0.2	$9.95	$8.95

Resistors and Resistor Network Assortments

Part No.	Product No.	Description	Wt. (lbs.)	1	10
134130	GB115	200 asst. 1/8, 1/4, 1/2 resistors (2,5&10%)	0.8	$5.95	$4.95
18104	GB116	200 assorted 1/4W resistors (5&10%)	0.1	4.95	3.95
135351	GB116LB	2000 assorted 1/4W resistors	0.8	14.95	12.95
18139	GB117	200 assorted 1/2W resistors (5&10%)	0.2	6.95	5.95
18163	GB118	200 asst. 1/8W resistor networks (2&5%) (8 & 10-pin SIP packages, 22Ω-150k	0.3	5.95	4.95

Trimmers, Single and Multi-Turn Potentiometers

Part No.	Product No.	Description	Wt. (lbs.)	1	10
18075	GB113	100 assorted 1/10W to 1/8W trimmer pots (100Ω to 2MΩ values)	0.1	$6.95	$5.95
18278	GB174	100 assorted 1/4W, 1/2W & 3/4W multi-turn pots (100Ω to 5MΩ assorted values)	0.2	9.95	8.95
135407	GB174LB	300 assorted 1/4W, 1/2W & 3/4W multi-turn pots (100Ω to 5MΩ assorted values)	1.0	19.95	17.95

LEDs, 7-Segment Displays and Photocells

Part No.	Product No.	Description	Wt. (lbs.)	1	10	25
18041	GB110	100 assorted sizes & colored LEDs (T1 & T1¾ round and rectangular)	0.1	$7.95	$6.95	$5.95
18323	GB186	500 assorted sizes #18041 LEDs	0.3	24.95	21.95	19.95
135271	GB110LB	1900 assorted #18041 LEDs	1.0	59.95	54.95	49.95
18201	GB162	50 assorted sizes of colored displays (7-segment LED, modules, stick)	0.5	10.95	9.95	8.95
169578	GB125	100 assorted values photocells	0.2	21.95	19.95	17.95

Schwab's Electronic Component School Selection

Jameco's nine (9) most popular Grab Bags (highlighted on this page) are all individually bagged. North Dakota Engineer, Loren Schwab, recommended this selection of products as a standard item. He also recommended a 20-drawer component cabinet with labels (319600, see photo above) for storage.

Includes: Ceramic and electrolytic capacitors, diodes, transistors, potentiometers, LEDs,1/4W resistors, switches, spacers and standoffs.

What's your suggestion?

Part No.	Product No.	Description	Wt. (lbs.)	1	10	50
163213	GB197	Schwab's School Selection	2.0	$49.95	$44.95	$39.95
319600	6897CAB℞	20 drawer component cabinet	4.7	16.95	15.49	13.95

Integrated Circuits, Sockets and Male Headers

Part No.	Product No.	Description	Wt. (lbs.)	1	10
17996	GB108	100 assorted TTL DIP & SMDs (74, 74ALS, 74HC, 74HCT, 74F, 74LS, 74S)	0.2	$9.95	$8.95
135280	GB108LB	400 assorted TTL series DIP & SMDs (same as P/N 17996, above)	1.0	24.95	22.49
18024	GB109	100 asst. linear series (NSC, Motorola, TI) TO-3, 8 & 14-pin DIP, SOIC packages	0.6	12.95	11.49
145242	GB109LB	300 assorted linear series (NSC, Motorola, TI) TO-3, 8 & 14-pin DIP, SOIC packages	0.5	29.95	26.95
105620	GB120	100 assorted sockets (DIP, PGA, SIMM, SIP)	0.3	6.95	5.95
135386	GB120LB	300 assorted sockets (DIP, PGA, SIMM, SIP)	1.0	14.95	12.95
2095138	GB204	100 assorted .100 male headers (breakway) Straight, right angle, single and double row	0.3	9.95	8.95

Diodes, Transistors and Crystals/Oscillators

Part No.	Product No.	Description	Wt. (lbs.)	1	10	25
17961	GB107	200 assorted diodes (zener, switching, silicon)	0.1	$9.95	$8.95	$7.95
18171	GB127	100 assorted transistors (NPN, PNP, power)	0.1	7.95	6.95	5.95
114446	GB150	100 assorted crystals/oscillators	0.2	7.95	6.95	5.95

Switches, Toy Motors, Gears and Fans

Part No.	Product No.	Description	Wt. (lbs.)	1	10
18235	GB165	50 assorted switches (toggle, pushbutton, rocker, slide)	0.4	$8.95	$7.95
135378	GB165LB	150 assorted #18235 switches	1.0	19.95	17.95
18294	GB182	5 assorted toy DC motors (1.5–24V)	1.1	7.95	6.95
149649	GB193	5 assorted AC&DC fans (photo above)	4.5	9.95	8.95
1943094	GB198	30 assorted gears, plastic/nylon (20, 22, 23, 26, 30, 50, 63 teeth vary)	0.3	12.95	10.95

Spacer, Standoff and Terminal Assortments

• Round • Hex • Aluminum • Brass • Steel • Plastic • Nylon

Part No.	Product No.	Description	Wt. (lbs.)	1	10
55968	GB140	100 assorted 4-40, 6-32, 8-32 round/hex, alum/brass/nylon, spacers/standoffs	0.3	$14.95	$12.95
135423	GB140LB	300 assorted same as P/N 55968	2.0	29.95	26.95
2082118	GB203	100 assorted solderless terminals spade, ring, faston, butt, crimp types	2.0	7.95	6.95

Screw Hardware & Drill Bit Assortments

• Screws, nuts, washers and lock washers; sizes 2-56, 4-40, 6-32 and 8-32
• Plastic • Steel • Brass • Aluminum • Nylon

Part No.	Product No.	Description	Wt. (lbs.)	1	10	25
171571	GB149	500 assorted types of screws, nuts, washers & lock washers	1.0	$6.95	$5.95	$4.95
171635	GB149LB	1400 asst. same as P/N 171571	2.0	15.95	14.95	13.95
2082038	GB202	20 assorted drill bits 10 sizes: .021" (#75) thru .12" (#31)	0.6	14.95	13.49	11.95

Bumpers and Rubber Feet Assortment

Part No.	Product No.	Description	1	10
2081385	GB201	100 assorted bumpers & adhesive rubber feet	$8.95	$7.95

Surprise Electronic Component Grab Bag

Axial and radial electrolytics, monolithic, dipped silver mica and mylar capacitors, ICs, connectors, sockets, headers, thermistors, LEDs, resistor networks, diodes, standoffs, transistors, oscillators/resonators, inductors, crystals, resistors, pots and switches (1000 pcs.)

Part No.	Product No.	Description	1	10
135263	GB191LB	1000 assorted pieces electronic components	$19.95	$17.95

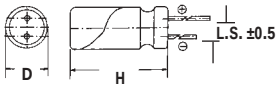
℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

JAMECO ValuePro

Aluminum Radial-Lead Polarized Electrolytic Capacitors (±20%) 85°C

★Web Code: CCE

Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater



† **CROSS REFERENCES: Nichicon:** LB/VX/USA/SR/SA/UVR; **Elna:** RC2/RE2; **IC:** RAR/RSS; **Marcon:** SEM/SSM; **Rubycon:** MS7/TWSS; **Sprague:** 501D/513D; **UCC:** SME/SRE/SRA/SRG; **Panasonic:** KA/KS/SU

✳ Order in multiples of 10

Part No.	Cross Ref. No.†	*Mfr.	Value (μF)	Volt	Size (mm)* D x H x L.S.	Pricing 1	10	100	500
609043	UVR2A0R1MDDℛ	JVP	0.1	100	5 x 11 x 2	✳	$.09	$.07	$.05
330465	RA0.47/50ℛ	JVP	0.47	50	5 x 11 x 2	✳	.05	.04	.03
330431	RA1/25ℛ	JVP	1	25	5 x 11 x 2	✳	.06	.05	.04
29831	R1/50	✦	1	50	5 x 11 x 2	✳	.06	.05	.04
29833	R1/50ℛ	JVP	1	50	5 x 11 x 2	✳	.08	.06	.05
94161	5R1/50ℛ	JVP	1	50	4 x 5 x 1.5	✳	.13	.10	.08
330941	RN1/50ℛ**	JVP	1	50	5 x 11 x 2	✳	.15	.12	.09
115423	R1/63ℛ	✦	1	63	5 x 11 x 2	✳	.06	.05	.04
1946324	R2.2/6.3TR	✦	2.2	6.3	4 x 8 x 4.5	✳	.05	.04	.03
93729	R2.2/50	✦	2.2	50	5 x 11 x 2	✳	.07	.05	.04
93731	R2.2/50ℛ	JVP	2.2	50	5 x 11 x 2	✳	.08	.06	.05
31000	R4.7/50	✦	4.7	50	5 x 11 x 2	✳	.06	.05	.04
31002	R4.7/50ℛ	JVP	4.7	50	5 x 11 x 2	✳	.08	.06	.05
1946341	R10/6.3ATR	✦	10	6.3	4 x 7 x 5	✳	.04	.03	.02
1946332	R10/6.3TR	✦	10	6.3	3 x 6 x 4	✳	.04	.03	.02
198839	R10J/16ℛ	JVP	10	16	5 x 11 x 2	✳	.08	.06	.045
1946367	R10/25ATR	✦	10	25	5 x 11 x 5	✳	.05	.04	.03
1946359	R10/25TR	✦	10	25	4 x 7 x 5	✳	.06	.05	.04
94212	5R10/25ℛ	JVP	10	25	4 x 5 x 1.5	✳	.10	.08	.06
330916	RN10/25ℛ**	JVP	10	25	5 x 11.5 x 1.5	✳	.15	.12	.09
94221	5R10/35ℛ	JVP	10	35	5 x 5 x 2	✳	.10	.08	.06
94370	7R10/35ℛ	JVP	10	35	4 x 7 x 1.5	✳	.08	.06	.045
29891	R10/50	✦	10	50	5 x 11 x 2	✳	.06	.05	.04
29893	R10/50ℛ	JVP	10	50	5 x 11 x 2	✳	.10	.08	.06
330482	RA10/63ℛ	JVP	10	63	5 x 11 x 2	✳	.10	.08	.06
330609	RA10/250ℛ	JVP	10	250	10 x 16 x 5	.35	.25	.19	.15
1946287	R22/10TR	✦	22	10	5 x 11 x 5	✳	.05	.03	.02
1946295	R22/16	✦	22	16	5 x 12 x 5	✳	.05	.03	.02
1946308	R22/25TR	✦	22	25	5 x 11 x 5	✳	.06	.04	.03
198943	EC2235H511ℛ	JVP	22	35	5 x 11 x 2	✳	.06	.04	.03
1946316	R22/50TR	✦	22	50	5 x 12 x 5	✳	.06	.04	.03
93739	R22/50ℛ	JVP	22	50	5 x 11 x 2	✳	.08	.06	.05
93747	R33/50ℛ	JVP	33	50	6.3 x 11 x 2.5	✳	.11	.09	.07
608999	UVR1J330MEDℛ	JVP	33	63	6.3 x 11 x 2.5	✳	.12	.10	.08
1946244	R47/16TR	✦	47	16	5 x 12 x 5	✳	.05	.03	.02
198863	R47J/16ℛ	JVP	47	16	6.3 x 11 x 2.5	✳	.10	.08	.06
93753	R47/25	✦	47	25	5 x 11 x 2	✳	.05	.03	.02
1946252	R47/35TR	✦	47	35	6 x 12 x 5	✳	.04	.03	.02
198952	R47J/35ℛ	JVP	47	35	5 x 11 x 2	✳	.10	.08	.06
31114	R47/50	✦	47	50	6 x 11 x 2.5	✳	.06	.05	.04
31116	R47/50ℛ	JVP	47	50	6.3 x 11 x 2.5	✳	.11	.09	.07
330617	RA47/250ℛ	JVP	47	250	13 x 25 x 5	.55	.45	.35	.29
609289	UVR2V470MHDℛ	JVP	47	350	16 x 35.5 x 7.5	.95	.75	.59	.49
330676	RA47/450ℛ	JVP	47	450	18 x 30 x 7.5	1.09	.89	.75	.59
1946261	R68/16TR	✦	68	16	5 x 11 x 5	✳	.04	.03	.02
207811	R100/10	✦	100	10	5 x 11 x 2	✳	.06	.05	.04
94432	7R100/16ℛ	JVP	100	16	6 x 7 x 2.5	✳	.08	.06	.05
330422	RA100/16ℛ	JVP	100	16	5 x 11 x 2	✳	.10	.08	.06
94289	5R100/16ℛ	JVP	100	16	6.5 x 5 x 2.5	✳	.15	.12	.09
93761	R100/25	✦	100	25	6 x 11 x 2.5	✳	.08	.06	.05
198970	R100J/35ℛ	JVP	100	35	6.3 x 11 x 2.5	✳	.10	.08	.06
29962	R100/50	✦	100	50	8 x 11 x 3.5	✳	.10	.08	.06
29964	R100/50ℛ	JVP	100	50	8 x 11.5 x 3.5	✳	.13	.10	.08

✳ Order in multiples of 10

Part No.	Cross Ref. No.†	*Mfr.	Value (μF)	Volt	Size (mm)* D x H x L.S.	Pricing 1	10	100	500
330529	RA100/100ℛ	JVP	100	100	10 x 17 x 5	$.35	$.25	$.19	$.15
330580	RA100/160Sℛ	JVP	100	160	16 x 25 x 7.5	.65	.49	.39	.29
330625	RA100/250ℛ	JVP	100	250	16 x 31.5 x 7.5	1.09	.85	.65	.49
330684	RA100/450ℛ	JVP	100	450	22 x 42.5 x 10.5	2.49	2.25	1.95	1.69
135125	7R220/10ℛ	JVP	220	10	6 x 7 x 2.5	✳	.10	.08	.06
198872	R220J/16ℛ	JVP	220	16	6.3 x 11 x 2.5	✳	.11	.09	.07
30496	R220/25	✦	220	25	8 x 11 x 3.5	✳	.10	.08	.06
30498	R220/25ℛ	JVP	220	25	8.5 x 11 x 3.5	✳	.13	.10	.08
93772	R220/35ℛ	JVP	220	35	8 x 12 x 3.5	✳	.15	.12	.09
93778	R220/50	✦	220	50	10 x 12 x 5	✳	.14	.11	.08
93780	R220/50ℛ	JVP	220	50	10 x 16 x 5	.25	.19	.15	.12
609115	UVR2C221MHDℛ	JVP	220	160	16 x 30 x 7.5	1.09	.85	.65	.49
93796	R330/25	✦	330	25	10 x 12 x 5.0	✳	.12	.09	.07
198978	R330J/35ℛ	JVP	330	35	10 x 12.5 x 5	.25	.19	.15	.12
330473	RA330/50ℛ	JVP	330	50	10 x 16 x 5	.29	.22	.19	.14
1946279	R470/10TR	✦	470	10	6 x 11 x 5	✳	.06	.05	.04
93809	R470/16	✦	470	16	8 x 11 x 3.5	✳	.13	.10	.08
93811	R470/16ℛ	JVP	470	16	8 x 11.5 x 3.5	.29	.22	.17	.14
31181	R470/25	✦	470	25	10 x 12 x 5	.25	.19	.15	.12
31183	R470/25ℛ	JVP	470	25	10 x 12 x 3.5	.35	.25	.19	.15
93817	R470/35	✦	470	35	10 x 16 x 5	.29	.22	.17	.14
93819	R470/35ℛ	JVP	470	35	10 x 16 x 5	.39	.32	.25	.19
93825	R470/50	✦	470	50	12 x 20 x 5	.35	.25	.19	.15
93827	R470/50ℛ	JVP	470	50	10 x 20 x 5	.39	.32	.25	.19
158465	R470B63+	JVP	470	63	13 x 20 x 5	.69	.55	.45	.35
199102	R470J/100ℛ	JVP	470	100	16 x 25 x 7.5	1.15	.89	.69	.55
609140	UVR2C471MRDℛ	JVP	470	160	22 x 40 x 10	1.49	1.25	.99	.89
330456	RA680/25S	JVP	680	25	8 x 16 x 3.5	1.09	.85	.65	.49
1945436	R1000/6.3	✦	1000	6.3	10 x 13 x 5	✳	.09	.07	.05
30015	R1000/16	✦	1000	16	10 x 16 x 5	.25	.22	.16	.12
30017	R1000/16ℛ	JVP	1000	16	10 x 16 x 5	.35	.25	.19	.15
93833	R1000/25	✦	1000	25	10 x 20 x 5	.35	.25	.19	.15
93835	R1000/25ℛ	JVP	1000	25	10 x 20 x 5	.39	.32	.25	.19
93841	R1000/50	✦	1000	50	6.5 x 11.3 x 2.2	.65	.49	.39	.32
93843	R1000/50ℛ	JVP	1000	50	13 x 25 x 5	.75	.59	.49	.39
199111	R1000J/100ℛ	JVP	1000	100	18 x 41 x 7.5	1.75	1.49	1.25	.99
30533	R2200/25	✦	2200	25	12 x 25 x 5.0	.65	.49	.39	.29
30535	R2200/25ℛ	JVP	2200	25	13 x 21 x 5	.69	.55	.45	.35
198986	R2200J/35ℛ	JVP	2200	35	16 x 25 x 7.5	.85	.69	.55	.45
608956	UVR1H222MHDℛ	JVP	2200	50	16 x 30 x 7.5	1.15	.89	.69	.55
198898	R3300J/16ℛ	JVP	3300	16	13 x 21 x 5	.65	.49	.39	.29
30893	R3300/25ℛ	JVP	3300	25	13 x 29 x 5	.85	.69	.55	.45
198994	R3300J/35ℛ	JVP	3300	35	16 x 30 x 7.5	1.09	.89	.75	.59
198901	R4700J/16ℛ	JVP	4700	16	16 x 25 x 7.5	.85	.69	.55	.45
93850	R4700/25	✦	4700	25	16 x 31 x 7.5	.85	.69	.55	.45
93852	R4700/25ℛ	JVP	4700	25	16 x 31.5 x 7.5	1.15	.89	.69	.55
199006	R4700J/35ℛ	JVP	4700	35	18 x 35 x 7.5	1.35	1.15	.99	.85
163301	R4700/50	✦	4700	50	22 x 42 x 10	1.65	1.39	1.19	1.05
163302	R4700/50	JVP	4700	50	22 x 41 x 10	1.85	1.59	1.39	1.19
198935	R6800J/25ℛ	JVP	6800	25	18 x 35.5 x 7.5	1.25	1.05	.85	.65
608892	UVR1A103MHDℛ	JVP	10000	10	16 x 35.5 x 7.5	.89	.69	.55	.45
608948	UVR1C103MHDℛ	JVP	10000	16	18 x 35 x 7.5	1.29	1.09	.95	.79

Note: Above case sizes may have ± tolerances **"TR" at the end of Cross Ref. numbers are Tape and Reel**

*Capacitor dimensions and styles may vary on items with various manufacturers **Non-polarized

Passives

* JVP = Jameco ValuePro | ✦ Manufacturer Varies

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

3 LEVELS OF SAVINGS: NAME BRANDS | HOUSE BRANDS | FACTORY OVERRUN

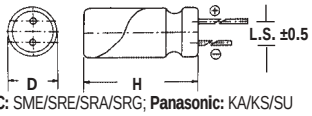
JAMECO ValuePro

Aluminum Radial-Lead Polarized Electrolytic Capacitors (±20%) 105°C

★Web Code: HAA

105°C – HT Type General Purpose

Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater



† **CROSS REFERENCES: Nichicon:** LB/VX/USA/SR/SA/UPW/UVZ/UHE; **Elna:** RC2/RE2; **IC:** RAR/RSS; **Marcon:** SEM/SSM; **Rubycon:** MS7/TWSS; **Sprague:** 501D/513D; **UCC:** SME/SRE/SRA/SRG; **Panasonic:** KA/KS/SU

✳ Order in multiples of 10

Part No.	Cross Ref. No.†	*Mfr.	Value (μF)	Volt	Size (mm)* D x H x L.S.	Pricing 1	10	100	500
609545	UVZ1H0R1MDD℞	JVP	0.1	50	5 x 11 x 2	✳	$.11	$.08	$.06
158481	R0.47B/100	JVP	0.47	100	5 x 11 x 2	✳	.11	.08	.06
330772	RB1/50℞	JVP	1	50	5 x 11 x 2	✳	.07	.05	.036
158491	R1B100℞	JVP	1	100	5 x 11 x 2	✳	.12	.09	.07
609959	UVZ2E010MED℞	JVP	1	250	8 x 11 x 3.5	✳	.17	.12	.09
609561	UVZ1H2R2MDD℞	JVP	2.2	50	5 x 11.5 x 2	✳	.09	.06	.045
330781	RB4.7/50℞	JVP	4.7	50	5 x 11 x 2	✳	.07	.05	.04
330692	RB10/16℞	JVP	10	16	5 x 11 x 2	✳	.11	.08	.06
330799	RB10/50	✦	10	50	5 x 11 x 2	✳	.07	.05	.037
607849	UPW1H100MDD℞	JVP	10	50	5 x 11 x 2	✳	.12	.09	.07
609641	UVZ1J100MDD℞	JVP	10	63	5 x 11 x 2	.25	.19	.15	.11
610036	UVZ2W100MHD℞	JVP	10	450	13 x 21 x 5	.65	.49	.39	.32
158327	R22B35℞	JVP	22	35	5 x 11 x 2	✳	.09	.06	.045
609650	UVZ1J220MDD℞	JVP	22	63	5 x 11 x 2	✳	.10	.08	.06
609828	UVZ2C220MPD℞	JVP	22	160	10 x 15 x 5	.32	.25	.19	.15
609975	UVZ2E220MHD℞	JVP	22	250	13 x 20 x 5	.39	.32	.25	.19
607929	UPW1H270MHD℞	JVP	27	50	5 x 11 x 2	✳	.12	.09	.07
607945	UPW1H330MED℞	JVP	33	50	6.3 x 11 x 2.5	✳	.15	.12	.09
609684	UVZ1J330MED℞	JVP	33	63	6.3 x 11 x 2.8	✳	.15	.12	.09
608374	UPW2A330MPD6℞	JVP	33	100	8 x 15 x 3.5	.25	.19	.15	.12
609502	UVZ1C470MDD℞	JVP	47	16	5 x 11 x 2	✳	.10	.07	.05
1945428	R47/35	✦	47	35	6.3 x 11 x 2	✳	.10	.07	.05
330820	RB47/50℞	JVP	47	50	6.3 x 11 x 2.5	✳	.11	.08	.06
608139	UPW1J470MPD℞	JVP	47	63	8 x 11.5 x 3.5	.25	.19	.15	.12
610010	UVZ2E470MHD℞	JVP	47	250	13 x 25 x 5	.65	.49	.39	.32
606862	UHE1H560MED℞	JVP	56	50	8.0 x 11 x 3.5	✳	.15	.11	.08
1946228	RB100/10	✦	100	10	5 x 11 x 3.5	✳	.09	.06	.045
330740	RB100/25℞	JVP	100	25	6.3 x 11 x 2.5	✳	.11	.08	.06
158394	R100B50℞	JVP	100	50	8 x 11.5 x 3.5	✳	.15	.12	.09
608032	UPL1J101MHH6℞	JVP	100	63	13 x 15 x 5	✳	.15	.12	.09
330828	RB100/63℞	JVP	100	63	10 x 13 x 5	.25	.19	.15	.12
609748	UVZ2A101MPD℞	JVP	100	100	10 x 20 x 5	.39	.32	.25	.19
609916	UVZ2D101MHD℞	JVP	100	200	16 x 25 x 7.5	1.09	.85	.65	.49
609967	UVZ2E101MHD℞	JVP	100	250	16 x 31 x 7.5	1.35	1.09	.85	.65
608340	ECA1JFQ151L℞	JVP	150	63	10 x 21 x 5	✳	.15	.12	.09
1946236	RB180/10	✦	180	10	6.5 x 11 x 2.5	✳	.12	.09	.07
207845	R180/16	JVP	180	16	6 x 15 x 2.5	✳	.12	.09	.07
606934	EEUFC1J181℞	JVP	180	63	10 x 20 x 5	✳	.15	.12	.09
606555	UHE1A221MED℞	JVP	220	10	6.3 x 11 x 2.5	✳	.12	.09	.07
158263	R220B25℞	JVP	220	25	8 x 11 x 3.5	✳	.15	.11	.08
158406	R220B50+	JVP	220	50	10 x 17 x 5	.35	.25	.19	.15
606820	UHE1H221MPD℞	JVP	220	50	10 x 16 x 5	.35	.25	.19	.15

✳ Order in multiples of 10

Part No.	Cross Ref. No.†	*Mfr.	Value (μF)	Volt	Size (mm)* D x H x L.S.	Pricing 1	10	100	500
608091	UPW1J221MPD6℞	JVP	220	63	10 x 25 x 5	$.49	$.39	$.32	$.25
609764	UVZ2A221MHD℞	JVP	220	100	13 x 26 x 5	.55	.45	.35	.25
609721	UVZ1V331MPD℞	JVP	330	35	10 x 16 x 5	.25	.19	.15	.12
607136	UHE2A331MHD℞	JVP	330	100	12.5 x 40 x 5	.89	.69	.55	.45
609852	UVZ2C331MHD℞	JVP	330	160	18 x 40 x 7.5	1.15	.99	.79	.65
606977	UHE1J391MHD℞	JVP	390	63	18 x 15 x 7.5	.49	.39	.32	.25
609385	UVZ0J471MED℞	JVP	470	6.3	6 x 11 x 2.5	✳	.17	.12	.09
606678	UHE1C471MPD℞	JVP	470	16	8 x 14 x 3.5	✳	.15	.12	.09
158203	R470B16	JVP	470	16	8 x 11 x 3.5	.25	.19	.15	.12
158289	R470B25+	✦	470	25	10 x 16 x 5	.25	.19	.15	.12
606740	UHE1E471MPD6℞	JVP	470	25	10 x 17 x 5	.32	.25	.19	.15
606854	UHE1H471MPD℞	JVP	470	50	13 x 20 x 5	.45	.35	.29	.22
608016	UPW1H561MHD℞	JVP	560	50	13 x 25 x 5	.75	.59	.45	.35
608315	UPW1V681MHD℞✪	JVP	680	35	12.5 x 20 x 5	.65	.49	.39	.29
606871	UHE1H681MHD℞	JVP	680	50	13 x 28 x 5	.85	.65	.49	.39
608163	UPW1J681MHD℞	JVP	680	63	16 x 25 x 5	.89	.69	.55	.45
607689	UPW1C821MPD℞	JVP	820	16	10 x 20 x 5	.32	.25	.19	.15
606432	UHE0J102MPD℞	JVP	1000	6.3	8 x 14 x 3.5	✳	.17	.12	.09
330722	RB1000/16℞	JVP	1000	16	10 x 20 x 5	.35	.29	.22	.17
158298	R1000B25℞	JVP	1000	25	10 x 17 x 5	.45	.35	.29	.22
158378	R1000B35℞	JVP	1000	35	13 x 21 x 5	.55	.45	.35	.25
609553	UVZ1H102MHD℞	JVP	1000	50	13 x 25 x 5	.55	.45	.35	.29
607216	UPW0J122MPD℞	JVP	1200	6.3	8 x 20 x 3.5	.25	.19	.15	.12
606627	UHE1C122MPD℞	JVP	1200	16	10 x 24 x 5	.32	.25	.19	.15
606918	UHE1J122MHD℞	JVP	1200	63	16 x 40 x 7.5	.99	.79	.65	.55
607232	UPW0J152MPD℞	JVP	1500	6.3	10 x 20 x 5	.39	.32	.25	.19
607398	UPW1A152MPD6℞	JVP	1500	10	10 x 20 x 5	.39	.32	.25	.19
607742	UPW1E152MHD6℞	JVP	1500	25	12.5 x 25 x 5	.55	.45	.35	.29
607873	UPW1H152MHD℞	JVP	1500	50	16 x 30 x 7.5	1.19	.95	.75	.59
606467	UHE0J182MHD℞	JVP	1800	6.3	10 x 20 x 5	.35	.25	.19	.15
607751	UPW1E182MHD℞	JVP	1800	25	13 x 25 x 5	.85	.65	.49	.39
609342	UVZ0J222MPD℞	JVP	2200	6.3	10 x 20 x 5	.39	.32	.25	.19
606563	UHE1A222MPD℞	JVP	2200	10	10 x 24 x 5	.45	.35	.29	.22
609705	UVZ1V222MHD℞	JVP	2200	35	16 x 26 x 7.5	.69	.55	.45	.35
158432	R2200B50℞	JVP	2200	50	16 x 30 x 7.5	.99	.79	.65	.55
608278	UPW1V332MHD℞	JVP	3300	35	18 x 33 x 7.5	1.35	1.15	.95	.75
609588	UVZ1H332MHD℞	JVP	3300	50	18 x 36 x 7.5	1.49	1.25	1.05	.85
609393	UVZ0J472MHD℞	JVP	4700	6.3	12.5 x 20 x 5	.55	.45	.35	.29
607814	UPW1E472MHD℞	JVP	4700	25	18 x 35 x 7.5	1.25	1.05	.85	.65
607697	UPW1C822MHD℞	JVP	8200	16	16 x 33 x 7.5	1.35	1.15	.95	.75
609473	UVZ1C103MHD℞	JVP	10000	16	18 x 41 x 7.5	1.39	1.19	.99	.79
609326	UVZ0J153MHD℞	JVP	15000	6.3	16 x 35.5 x 7.5	.89	.69	.55	.45

*Capacitor dimensions and styles may vary on items with various manufacturers ✪ Blue P/N = Limited Quantity

JAMECO ValuePro

Snap-Mount Large-Can Aluminum Electrolytic Capacitors (±20%)

- Operating temperature range: (SNA) -40°C to +85°C; (SNB) -40°C to +105°C
- Can-Top safety vent

★Web Code: EBG

Part No.	Cross Ref. No.	*Mfr.	Value (μF)	Volt	Size (mm)* D x H x L.S.	Pricing 1	10	100
331846	SNA120/450	JVP	120	450	22 x 40 x 8.6	$2.49	$2.25	$1.95
331811	SNA470/250	JVP	470	250	25 x 40 x 8.6	2.49	2.25	1.95
332030	SNB470/250	JVP	470	250	25 x 40 x 8.6	2.49	2.25	1.95
203263	SNB470/400/5	JVP	470	450	35 x 49 x 9	6.95	5.95	4.95
155889	SN560/200	✦	560	200	23 x 41 x 9.5	1.95	1.65	1.39
115378	SNB4700/35	✦	4700	35	25 x 40 x 9	$2.09	1.69	1.39

*Capacitor dimensions and styles may vary on items with various manufacturers

Part No.	Cross Ref. No.	*Mfr.	Value (μF)	Volt	Size (mm)* D x H x L.S.	Pricing 1	10	100
115422	SNA4700/50+	JVP	4700	50	30 x 41 x 9.5	$2.25	$1.95	$1.75
331723	SNA4700/63	JVP	4700	63	25 x 40 x 9.1	2.95	2.65	2.35
115431	SN6800/50	✦	6800	50	30 x 31 x 10	2.49	2.25	1.95
331901	SNB6800/50℞	JVP	6800	50	25.2 x 42.4 x 9	3.95	3.49	2.95
157738	SNB10000/50℞	JVP	10000	50	35 x 40 x 12	4.75	3.75	3.25
331716	SNA15000/25℞	JVP	15000	25	25 x 41 x 9	3.49	2.95	2.49

*Capacitor dimensions and styles may vary on items with various manufacturers

* JVP = Jameco ValuePro | ✦ Manufacturer Varies

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

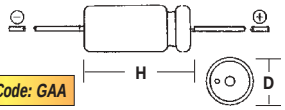
Electrolytic & Dipped Tantalum Capacitors

JAMECO ValuePro

Aluminum Axial-Lead Electrolytic Capacitors (±20%) 85°C

Operating temperature range	-40°C to +85°C
Leakage Current (After 2 minutes 20°C)	0.02CV or 2µA, whichever is greater

✳ Order in multiples 10



★ Web Code: GAA

Part No.	Product No.	*Mfr.	Value (µF)	Voltage	Size (mm)* D x H	Pricing 1	10	100	500
10866	A1/50	✦	1	50V	5 x 13	✳	$.17	$.14	$.11
10868	A1/50ℛ	JVP	1	50V	5 x 12	.29	.22	.17	.14
93569	A2.2/50	✦	2.2	50V	6 x 13	✳	.15	.12	.09
11076	A4.7/50	✦	4.7	50V	6 x 13	✳	.17	.14	.11
1946201	A10/16A	✦	10	16V	5 x 13	✳	.07	.05	.035
1946199	A10/16	✦	10	16V	4 x 7	✳	.08	.06	.04
10882	A10/50	✦	10	50V	6 x 12	✳	.15	.12	.09
10884	A10/50ℛ	JVP	10	50V	6 x 12	.25	.19	.15	.12
331425	AB10/450ℛ	JVP	10	450V	13 x 25	.95	.75	.59	.49
1946210	A22/16	✦	22	16V	5 x 11	✳	.12	.09	.07
199268	A22J/25ℛ	JVP	22	25V	6 x 12.5	.25	.19	.15	.12
331433	AB22/450ℛ	JVP	22	450V	16 x 26.5	1.75	1.49	1.25	.99
2081730	A33/35	JVP	33	35V	7 x 14	.25	.19	.15	.12
135319	A47/25	✦	47	25V	8 x 16	✳	.17	.14	.11
11105	A47/50	✦	47	50V	8 x 16	.25	.19	.15	.12
199188	A100J/16ℛ	JVP	100	16V	6 x 12.5	.29	.22	.17	.14
199284	A100J/25ℛ	JVP	100	25V	8 x 15	.32	.25	.19	.15
93551	A100/35	✦	100	35V	8 x 16	.29	.22	.17	.14
10911	A100/50	✦	100	50V	8 x 20	.29	.22	.17	.14
10913	A100/50ℛ	JVP	100	50V	8 x 16	.32	.25	.19	.15
331380	AB100/100ℛ	JVP	100	100V	10 x 20.5	.89	.69	.55	.45
331417	AB100/250ℛ	JVP	100	250V	16 x 31	2.49	2.25	1.95	1.75
199292	A220J/25ℛ	JVP	220	25V	8 x 16	.39	.32	.25	.19

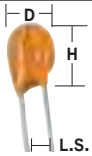
*Capacitor dimensions and styles may vary on items with various manufacturers

Part No.	Product No.	*Mfr.	Value (µF)	Voltage	Size (mm)* D x H	Pricing 1	10	100	500
11019	A220/50ℛ	JVP	220	50V	10 x 17	$.49	$.39	$.32	$.27
199217	A470J/16ℛ	JVP	470	16V	8 x 17	.35	.29	.22	.17
199381	A470J/35ℛ	JVP	470	35V	10 x 21	.39	.32	.25	.19
11123	A470/50ℛ	JVP	470	50V	13 x 22	.75	.59	.49	.39
93633	A1000/16ℛ	JVP	1000	16V	10 x 21	.65	.49	.39	.32
10954	A1000/25	✦	1000	25V	13 x 31	.65	.49	.39	.32
10956	A1000/25ℛ	JVP	1000	25V	10 x 20	.75	.59	.49	.39
93649	A1000/35	✦	1000	35V	13 x 26	.75	.59	.49	.39
93651	A1000/35ℛ	JVP	1000	35V	13 x 22	.85	.69	.59	.49
147256	A1000/50	✦	1000	50V	16 x 31	.75	.59	.49	.39
11033	A2200/16	✦	2200	16V	16 x 40	.85	.69	.59	.49
199322	A2200J/25ℛ	JVP	2200	25V	16 x 26	.85	.69	.59	.49
93658	A2200/35ℛ	JVP	2200	35V	16 x 30	1.25	.99	.79	.65
199479	A2200J/50ℛ	JVP	2200	50V	18 x 33	1.95	1.75	1.49	1.25
93666	A3300/25	JVP	3300	25V	16 x 30	.95	.75	.65	.55
199398	A3300/35	JVP	3300	35V	18 x 37	.99	.79	.65	.55
199487	A3300J/50ℛ	JVP	3300	50V	22 x 43	2.49	2.25	1.95	1.75
199233	A4700J/16ℛ	JVP	4700	16V	16 x 26.5	1.95	1.75	1.49	1.25
93673	A4700/25	JVP	4700	25V	22 x 39	1.35	1.15	.95	.75
158811	A4700A50ℛ	JVP	4700	50V	22 x 43	2.49	2.25	1.95	1.75
93681	A10000/16	✦	10000	16V	22 x 51	1.95	1.75	1.49	1.25
93683	A10000/16ℛ	JVP	10000	16V	16 x 40	2.25	1.95	1.75	1.49

JAMECO ValuePro

Resin Dipped Solid Tantalum Capacitors (±10%)

- Operating temperature range: -55°C to +85°C (+125°C with derating)
- Exceptional temperature stability
- Flame retardant coating
- Rated voltage DC: ≤ +85°C
- Moisture-resistant
- Designed for entertainment and commercial equipment
- Low leakage current



★ Web Code: VAE

Part No.	Product No.	*Mfr.	Value (µF)	Volt (V)	Size (mm)* D x H x L.S.	Pricing 1	10	100	500
33486	TM.1/35	✦	.10	35	4.5 x 7.0 x 5.2	$.32	$.25	$.19	$.15
33488	TM.1ℛ	JVP	.10	35	4.5 x 7.0 x 2.5	.39	.32	.25	.19
545561	TAP104K035SCSℛ	JVP	.10	35	4.0 x 6.0 x 2.5	.39	.32	.25	.19
332111	TDR0.1/50ℛ	JVP	.10	50	4.5 x 7.0 x 2.5	.39	.32	.25	.19
545570	TAP104K050SCSℛ	JVP	.10	50	4.0 x 6.0 x 2.5	.45	.35	.29	.22
33507	TM.22/35	✦	.22	35	4.5 x 7.0 x 5.0	.32	.25	.19	.15
33523	TM.33/35	✦	.33	35	4.5 x 7.0 x 2.5	.32	.25	.19	.15
33525	TM.33ℛ	JVP	.33	35	4.5 x 7.0 x 2.5	.39	.32	.25	.19
33531	TM.47/35	✦	.47	35	4.5 x 7.0 x 2.7	.32	.25	.19	.15
33533	TM.47ℛ	JVP	.47	35	4.5 x 7.0 x 2.5	.39	.32	.25	.19
61102	TM.68	JVP	.68	35	4.5 x 7.0 x 2.5	.25	.19	.15	.12
546142	TAP684K050SCSℛ	JVP	.68	50	4.3 x 7.0 x 2.5	.39	.32	.25	.19
154860	TM1/25	✦	1	25	4.5 x 7.0 x 4.7	.32	.25	.19	.15
545588	TAP105K025SCSℛ	JVP	1	25	4.3 x 7.0 x 2.5	.39	.32	.25	.19
154862	TM1/25ℛ	JVP	1	25	4.5 x 7.0 x 2.5	.39	.32	.25	.19
33662	TM1/35	✦	1	35	4.5 x 7.0 x 2.7	.35	.29	.22	.17
545596	TAP105K035SCSℛ	JVP	1	35	4.3 x 7.0 x 2.5	.39	.32	.25	.19
33664	TM1ℛ	JVP	1	35	4.5 x 7.0 x 2.5	.39	.32	.25	.19
545609	TAP105K050SCSℛ	JVP	1	50	4.7 x 7.5 x 2.5	.55	.45	.35	.29
545705	TAP155K025SCSℛ	JVP	1.5	25	4.3 x 7.0 x 2.5	.25	.19	.15	.12
94001	TM2.2/16	✦	2.2	16	4.5 x 7.0 x 4.7	.32	.25	.19	.15
94003	TM2.2/16ℛ	JVP	2.2	16	4.5 x 7.0 x 2.5	.39	.32	.25	.19
33736	TM2.2/35ℛ	JVP	2.2	35	5.0 x 8.0 x 2.5	.35	.29	.22	.17
545810	TAP225K035SCSℛ	JVP	2.2	35	4.3 x 7.0 x 2.5	.45	.35	.29	.22
332152	TDR2.2/50	JVP	2.2	50	6.5 x 11 x 2.5	.79	.65	.49	.45
545941	TAP335K025SCSℛ	JVP	3.3	25	4.3 x 7.0 x 2.5	.45	.35	.29	.22
33769	TM3.3/35	✦	3.3	35	5.0 x 8.0 x 3.1	.35	.29	.22	.17

Note: Above case sizes may have ± tolerances

*Capacitor dimensions and styles may vary

Part No.	Product No.	*Mfr.	Value (µF)	Volt (V)	Size (mm)* D x H x L.S.	Pricing 1	10	100	500
545967	TAP335K050SCSℛ	JVP	3.3	50	5.4 x 8.0 x 2.5	$.75	$.59	$.49	$.45
94035	TM4.7/16	✦	4.7	16	5.0 x 8.0 x 2.5	.35	.29	.22	.17
94043	TM4.7/25	✦	4.7	25	5.0 x 8.0 x 4.7	.45	.35	.29	.22
546071	TAP475K025SCSℛ	JVP	4.7	25	4.3 x 7.0 x 2.5	.55	.45	.35	.29
33806	TM4.7/35	✦	4.7	35	5.5 x 9.5 x 2.5	.49	.39	.32	.25
546089	TAP475K035SCSℛ	JVP	4.7	35	4.7 x 7.5 x 2.5	.59	.49	.39	.32
546185	TAP685K025SCSℛ	JVP	6.8	25	4.7 x 7.5 x 2.5	.49	.39	.32	.25
33873	TM6.8/35	✦	6.8	35	6.5 x 9.0 x 4.7	.45	.35	.29	.22
545617	TAP106K006SCSℛ	JVP	10	6.3	4.3 x 7.0 x 2.5	.45	.35	.29	.22
545625	TAP106K010SCSℛ	JVP	10	10	4.7 x 7.5 x 2.5	.49	.39	.32	.25
94060	TM10/16	✦	10	16	4.6 x 7.5 x 3.2	.49	.39	.32	.25
94062	TM10/16ℛ	JVP	10	16	5.0 x 8.0 x 2.5	.55	.45	.35	.29
545633	TAP106K020SCSℛ	JVP	10	20	5.4 x 8.0 x 2.5	.55	.45	.35	.29
94078	TM10/25	✦	10	25	5.5 x 9.5 x 2.8	.55	.45	.35	.29
545641	TAP106K025SCSℛ	JVP	10	25	5.4 x 8.0 x 2.5	.59	.49	.39	.32
94080	TM10/25ℛ	JVP	10	25	5.5 x 9.5 x 2.5	.59	.49	.39	.32
33689	TM10/35	✦	10	35	6.5 x 11.0 x 4.7	.99	.79	.65	.49
545650	TAP106K035SCSℛ	JVP	10	35	5.4 x 8.0 x 2.5	1.15	.95	.79	.65
33691	TM10ℛ	JVP	10	35	5.5 x 11.0 x 2.5	1.15	.95	.79	.65
332161	TDR10/50	JVP	10	50	8.5 x 13.0 x 2.5	2.49	2.25	1.95	1.75
545721	TAP156K010SCSℛ	JVP	15	10	4.7 x 7.5 x 2.5	.39	.32	.25	.19
545748	TAP156K020SCSℛ	JVP	15	20	5.4 x 8.0 x 2.5	.55	.45	.35	.29
33719	TM15/25	JVP	15	25	4.5 x 8.0 x 2.5	.79	.65	.49	.39
597468	TAP156K035SCSℛ	JVP	15	35	5.5 x 9.5 x 4.7	1.49	1.35	1.19	.99
33751	TM22/6.3	✦	22	6.3	4.7 x 7.5 x 2.5	.55	.45	.35	.29
94094	TM22/16	✦	22	16	5.5 x 9.5 x 4.1	.55	.45	.35	.29
94095	TM22/16	JVP	22	16	5.5 x 9.5 x 2.5	.69	.55	.45	.35
545852	TAP226K016SCSℛ	JVP	22	16	5.4 x 8.0 x 2.5	.69	.55	.45	.35

Continued on next page

* JVP = Jameco ValuePro | ✦ Manufacturer Varies

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

JAMECO ValuePro

Resin Dipped Solid Tantalum Capacitors (±10%) (Continued)

★Web Code: VAE

Part No.	Product No.	*Mfr.	Value (µF)	Volt (V)	Size (mm)* D x H x L.S.	Pricing 1	10	100	500
545861	TAP226K020SCS℞	JVP	22	20	6.0 X 9.4 X 2.5	$.69	$.55	$.45	$.39
94107	TM22/25	✦	22	25	8.5 x 13.0 x 3.2	1.59	1.35	1.09	.89
545879	TAP226K025SCS℞	JVP	22	25	6.0 x 9.4 x 2.5	1.75	1.49	1.25	.99
332101	TDR22/35	JVP	22	35	8.5 x 13 x 2.5	1.49	1.29	1.09	.95
545887	TAP226K035SCS℞	JVP	22	35	7.0 x 11.0 x 2.5	1.95	1.75	1.49	1.29
545991	TAP336K016SCS℞	JVP	33	16	6.0 x 9.4 x 2.5	1.35	1.15	.95	.75
546003	TAP336K020SCS℞	JVP	33	20	6.0 x 9.4 x 2.5	1.15	.99	.85	.75
33785	TM33/25	✦	33	25	8.5 x 13.0 x 4.7	1.75	1.49	1.25	.99
546020	TAP336K035CCS℞	JVP	33	35	8.2 x 12.5 x 2.5	2.49	2.25	1.95	1.75
546100	TAP476K010SCS℞	JVP	47	10	6.0 x 9.4 x 2.5	1.25	.99	.79	.65
94125	TM47/16℞	JVP	47	16	6.5 x 11.0 x 2.5	1.25	.99	.79	.65
94123	TM47/16	✦	47	16	5.2 x 8.2 x 2.5	1.49	1.25	.99	.79

Part No.	Product No.	*Mfr.	Value (µF)	Volt (V)	Size (mm)* D x H x L.S.	Pricing 1	10	100	500
546118	TAP476K016SCS℞	JVP	47	16	6.0 x 9.4 x 2.5	$1.75	$1.49	$1.25	$.99
33822	TM47	✦	47	25	9.5 x 16.5 x 2.5	1.59	1.35	1.15	.99
546206	TAP686K006SCS℞	JVP	68	6.3	5.0 x 8.2 x 2.5	.79	.69	.59	.49
546222	TAP686K016SCS℞	JVP	68	16	7.0 x 11.0 x 2.5	1.95	1.75	1.49	1.25
33700	TM100/35	✦	100	6.3	8.5 x 13.0 x 4.7	1.35	1.15	.95	.79
33702	TM100℞	JVP	100	6.3	8.5 x 13.0 x 2.5	1.25	1.09	.99	.89
545668	TAP107K006SCS℞	JVP	100	6.3	6.0 x 9.4 x 2.5	1.55	1.35	1.15	.95
597450	TAP107K016CCS℞	JVP	100	16	7.0 x 11.0 x 2.5	2.75	2.49	2.25	1.95
545684	TAP107K020CCS℞	JVP	100	20	8.2 x 12.5 x 2.5	3.49	3.15	2.75	2.49
545772	TAP157K010CCS℞	JVP	150	10	7.0 x 11 x 2.5	2.49	2.25	1.95	1.75
545895	TAP227K010CCS℞	JVP	220	10	8.2 x 12.5 x 2.5	3.25	2.75	2.35	2.09

Note: Above case sizes may have ± tolerances

*Capacitor dimensions and styles may vary

JAMECO ValuePro

Ceramic Disc Capacitors (±5, ±10 or ±20%)

25, 50, 500 and 1000 Volt, Z5U Temperature Coefficient

★Web Code: HBW

- Operating temp. range: +10°C to +85°C
- Cap. change over temp. range: +22 to -56%
- Dielectric withstanding voltage: 2.5 times rated volt. for not < 1 sec.

✳ Order in multiples of 10

Part No.	Product No.	*Mfr.	Value	Volt (V)	Tol.	Dia. (mm)	Pricing 1	10	100	1000	5000
332291	CD3.3/1000	JVP	3.3pF	1000	20	5	$.29	$.22	$.17	$.14	$.11
15333	DC10	✦	10pF	50	20	5	✳	.06	.04	.032	.025
15335	DC10℞	JVP	10pF	50	20	5	✳	.06	.04	.032	.025
332312	CD10/1000	JVP	10pF	1000	20	6	.29	.22	.17	.14	.11
332322	CD20/1000℞	JVP	20pF	1000	20	5	.29	.22	.17	.14	.11
15405	DC22	✦	22pF	50	20	6	✳	.06	.04	.032	.025
15407	DC22℞	JVP	22pF	50	20	6	✳	.07	.05	.035	.028
332217	CD33/50℞	JVP	33pF	50	20	5	✳	.08	.06	.045	.035
1947010	DC33TR	✦	33pF	100	10	5	✳	.06	.04	.025	.01
1947028	DC33ATR	✦	33pF	500	5	5	✳	.06	.04	.02	.015
15512	DC47℞	JVP	47pF	50	20	5	✳	.08	.06	.045	.039
1947036	DC47TR	✦	47pF	500	5	6	✳	.08	.06	.04	.03
332347	CD47/1000	JVP	47pF	1000	20	5	.29	.22	.17	.14	.11
15341	DC100	✦	100pF	50	20	5	✳	.06	.04	.032	.025
15343	DC100℞	JVP	100pF	50	20	5	✳	.08	.06	.045	.039
1947044	DC100TR	✦	100pF	100	10	8	✳	.06	.04	.025	.015
332363	CD120/1000	JVP	120pF	1000	20	5	✳	.17	.14	.11	.09
1947052	DC150TR	✦	150pF	100	10	8	✳	.05	.03	.02	.01
1947087	DC150ATR	✦	150pF	100	5	4	✳	.06	.04	.025	.015
332371	CD150/1000	JVP	150pF	1000	20	5	.29	.22	.17	.14	.11
15413	DC220	✦	220pF	50	20	5	✳	.06	.04	.025	.015
1947132	DC220TR	✦	220pF	50	5	8	✳	.06	.04	.025	.015
1947159	DC220ATR	✦	220pF	100	5	7	✳	.06	.04	.025	.015
1947239	DC220BTR	✦	220pF	500	10	10	✳	.06	.04	.025	.015
332380	CD220/1000	JVP	220pF	1000	20	5	.29	.22	.17	.14	.11
15448	DC330	✦	330pF	50	20	5	✳	.05	.03	.02	.015
1947301	DC330TR	✦	330pF	100	20	5	✳	.06	.04	.025	.015
1947378	DC330ATR	✦	330pF	500	20	5	✳	.06	.04	.02	.015
15528	DC470	✦	470pF	50	20	5	✳	.07	.05	.03	.025
1947319	DC470TR	✦	470pF	100	20	5	✳	.06	.04	.025	.015

TR at the end of Product Number are Tape and Reel

✳ Order in multiples of 10

Part No.	Product No.	*Mfr.	Value	Volt (V)	Tol.	Dia. (mm)	Pricing 1	10	100	1000	5000
332401	CD470/1000	JVP	470pF	1000	20	5	$.29	$.22	$.17	$.14	$.11
332420	CD560/1000℞	JVP	560pF	1000	20	6	.29	.22	.17	.14	.11
15190	DC.001	✦	.001µF	50	20	6	✳	.06	.04	.03	.02
15192	DC.001℞	JVP	.001µF	50	20	6	✳	.06	.04	.025	.02
1947343	DC.001TR	✦	.001µF	100	20	4	✳	.06	.04	.025	.015
1947394	DC.001ATR	✦	.001µF	500	20	4	✳	.05	.03	.02	.015
1947415	DC.001BTR	✦	.001µF	500	10	7	✳	.05	.03	.02	.015
332436	CD1000/1000℞	JVP	.001µF	1000	20	5	.32	.25	.19	.15	.12
1947327	DC.0022TR	✦	.0022µF	25	20	4	✳	.06	.04	.025	.015
1947386	DC.0022ATR	✦	.0022µF	500	20	7	✳	.05	.03	.02	.015
332443	CD2200/1000	JVP	.0022µF	1000	20	6	.32	.25	.19	.15	.10
1947407	DC.0033	✦	.0033µF	500	20	9	✳	.05	.03	.02	.015
15211	DC.0047	✦	.0047µF	50	20	6	✳	.07	.05	.04	.025
1947335	DC.0047TR	✦	.0047µF	100	20	5	✳	.06	.04	.025	.015
15229	DC.01	✦	.01µF	50	20	6	✳	.06	.04	.032	.025
15231	DC.01℞	JVP	.01µF	50	20	6	✳	.07	.05	.035	.03
97375	DC.01/1K20	✦	.01µF	1000	20	12	.29	.22	.17	.14	.11
97377	DC.01/1K20℞	JVP	.01µF	1000	20	12	.35	.29	.22	.17	.14
332487	CD20000/1000℞	JVP	.02µF	1000	20	16	.55	.45	.35	.29	.22
15245	DC.022	✦	.022µF	50	20	8	✳	.08	.06	.045	.039
1947351	DC.047B	✦	.047µF	25	20	7	✳	.06	.04	.02	.015
15253	DC.047	✦	.047µF	50	20	8	✳	.09	.07	.045	.035
15255	DC.047℞	JVP	.047µF	50	20	8	✳	.10	.08	.06	.05
332507	CD50000/1000	JVP	.05µF	1000	20	16	.99	.79	.65	.49	.39
151116	DC.1/25	✦	.1µF	25	20	6	✳	.11	.08	.06	.05
151118	DC.1/25℞	JVP	.1µF	25	20	6	✳	.12	.09	.07	.055
15270	DC.1	✦	.1µF	50	20	8	.25	.19	.15	.12	.09
15272	DC.1℞	JVP	.1µF	50	20	8	.32	.25	.19	.15	.12
332516	CD100000/1000℞	JVP	.1µF	1000	20	21	1.49	1.25	1.09	.95	.79

TR at the end of Product Number are Tape and Reel

JAMECO ValuePro

Axial Leaded Ceramic Capacitors

★Web Code: ACC

✳ Order in multiples of 10

Part No.	Product No.	*Mfr.	Value	Volt (V)	Temp Co-eff.	Tol.	Pricing 1	10	100	1000
546273	SA102A220JAA	JVP	22pF	200	NPO	5	✳	$.12	$.09	$.07
546265	SA102A101JAA	JVP	100pF	200	NPO	5	✳	.12	.09	.07
546281	SA105A102JAA	JVP	1000pF	50	NPO	5	✳	.12	.09	.07
546249	SA101C102KAA	JVP	1000pF	100	X7R	10	✳	.10	.08	.06
1069763	SA101C222KAA	AVX	2200pF	100	X7R	10	✳	.12	.09	.07
546290	P10R103K5	JVP	0.01µF	50	X7R	10	.25	.19	.15	.12

✳ Order in multiples of 10

Part No.	Product No.	*Mfr.	Value	Volt (V)	Temp Co-eff.	Tol.	Pricing 1	10	100	1000
546302	SA105E103MAA	JVP	0.01µF	50	Z5U	20	✳	$.10	$.08	$.06
546257	SA101C103KAA	JVP	0.01µF	100	Z7R	100	✳	.10	.08	.06
536542	P20R104K5℞	✦	0.1µF	50	X7R	10	✳	.15	.12	.09
536534	P10U104M5	CDE	0.1µF	50	Z5U	20	✳	.15	.12	.09
546345	SA305E105MAA	JVP	1.0µF	50	Z5U	20	✳	.15	.12	.09

* AVX = AVX Corp. | CDE = Cornell Dubilier | JVP = Jameco ValuePro | ✦ Manufacturer Varies

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

JAMECO ValuePro

Monolithic Radial Ceramic Capacitors

★Web Code: JBW

NPO (COG) Series (±5%)

Order in multiples of 10

Part No.	Product No.	*Mfr.	Value	Volt. (V)	Size (mm)* W x T x H x L.S.	Pricing 10	100	1000	5000
332523	COG10/100	JVP	10pF	100	4.0 x 2.0 x 3.2 x 5.1	$.13	$.09	$.07	$.05
332541	COG22/100ℛ	JVP	22pF	100	3.6 x 2.3 x 3.6 x 2.5	.13	.09	.07	.05
2080358	RD15CG-240J	✦	24pF	50	4.0 x 2.0 x 3.6 x 2.5	.13	.09	.07	.05
2080331	RD15CG-270J	PDC	27pF	50	4.0 x 2.0 x 3.6 x 2.5	.13	.09	.07	.05
332559	COG33/100ℛ	JVP	33pF	100	3.6 x 2.3 x 3.6 x 2.5	.15	.11	.08	.06
2080323	RD15CG-390M†	PDC	39pF	50	4.0 x 2.0 x 3.6 x 2.5	.13	.09	.07	.05
332567	COG47/100ℛ	JVP	47pF	100	3.8 x 2.0 x 3.3 x 2.5	.15	.11	.08	.06
332574	COG68/100	JVP	68pF	100	3.6 x 1.5 x 3.6 x 5.1	.17	.13	.09	.07
2080340	RD15CG-331J	PDC	330pF	50	4.0 x 2.0 x 3.6 x 2.5	.13	.09	.07	.05

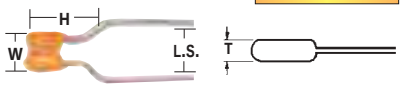
X7R Series (±10%)

✳ Order in multiples of 10

Part No.	Product No.	*Mfr.	Value	Volt. (V)	Size (mm)* WxTxHxL.S.	Pricing 1	10	100	1000	5000
332583	MOC100/100ℛ	JVP	100pF	100	5.0x5.0x3.0x2.5	✳	$.14	$.11	$.08	$.06
332612	MOC470/100ℛ	JVP	470pF	100	5.0x5.0x3.0x2.5	✳	.15	.12	.09	.07
544825	SR151C102KAA	JVP	1000pF	100	3.8x2.5x3.8x5.1	✳	.09	.07	.05	.04
544833	SR151C103KAA	JVP	.01µF	100	3.8x2.5x3.8x2.5	✳	.10	.07	.05	.035
597281	SR211C103KAA	JVP	.01µF	100	3.8x2.5x3.8x5.1	✳	.11	.08	.06	.05
332647	MOC10000/100ℛ	JVP	.01µF	100	5.0x5.0x3.0x2.5	✳	.12	.09	.07	.06
332655	MOC22000/100ℛ	JVP	.022µF	100	5.0x5.0x3.0x2.5	✳	.12	.09	.07	.06
544892	SR211C223KAAℛ	JVP	.022µF	100	3.8x2.5x3.8x5.1	✳	.14	.10	.08	.06
544905	SR211C333KAAℛ	JVP	.033µF	100	3.8x2.5x3.8x5.1	.25	.19	.15	.12	.09
544913	SR211C473KAA	JVP	.047µF	100	3.8x2.5x3.8x5.1	.29	.22	.17	.14	.11
544921	SR215C104KAA	JVP	.1µF	50	3.8x2.5x3.8x5.1	✳	.14	.11	.08	.06
544884	SR211C104KAA	JVP	.1µF	100	3.8x2.5x3.8x5.1	✳	.15	.12	.09	.08
332672	MOC100000/100ℛ	JVP	.1µF	100	5.0x5.0x3.0x2.5	✳	.15	.12	.09	.08
544948	SR305C474KAA	JVP	.47µF	50	3.8x2.5x3.8x5.1	.45	.35	.29	.22	.17

† ±20% Note: Above case sizes may have ± tolerances *Capacitor dimensions and styles may vary

- Data processing
- Communications engineering
- Operating temp. range: -10°C to +85°C



Z5U Series (±20%)

✳ Order in multiples of 10

Part No.	Product No.	*Mfr.	Value	Volt. (V)	Size (mm)* W x T x H x L.S.	Pricing 1	10	100	1000
81543	MD10ℛ	JVP	10pF	50	3.5 x 2.0 x 3.0 x 2.5	✳	$.07	$.06	$.05
81533	MD22	✦	22pF	50	4.0 x 2.0 x 4.0 x 5.1	✳	.12	.09	.07
81535	MD22ℛ	JVP	22pF	50	4.0 x 2.0 x 4.0 x 2.5	✳	.10	.08	.06
81525	MD100	✦	100pF	50	3.3 x 2.0 x 3.0 x 2.5	✳	.12	.09	.07
81517	MD.001	✦	.001µF	50	4.5 x 2.0 x 3.0 x 2.5	✳	.10	.08	.06
138181	MD.022	✦	.0022µF	50	4.0 x 2.0 x 5.5 x 2.5	✳	.10	.08	.06
25507	MD.01	✦	.01µF	50	3.5 x 2.0 x 3.0 x 2.5	✳	.12	.09	.07
25509	MD.01ℛ	JVP	.01µF	50	3.5 x 2.0 x 3.0 x 2.5	✳	.09	.06	.05
2080366	RD16ZU-153M	PDC	.015µF	50	3.7 x 1.8 x 3.0 x 5.1	✳	.08	.06	.04
57621	MD.047	✦	.047µF	50	2.5 x 2.5 x 3.0 x 2.5	✳	.12	.09	.07
25523	MD.1	✦	.1µF	50	6.0 x 2.0 x 4.0 x 5.1	✳	.08	.06	.045
544868	SR205E104MAAℛ	JVP	.1µF	50	4.0 x 2.6 x 3.8 x 2.5	✳	.10	.07	.05
25525	MD.1ℛ	JVP	.1µF	50	3.4 x 2.2 x 3.6 x 5.1	✳	.11	.08	.06
25540	MD.22	✦	.22µF	50	6.0 x 2.0 x 4.5 x 5.1	✳	.15	.12	.09
25541	MD.22+	JVP	.22µF	50	6.0 x 2.0 x 4.5 x 2.5	.25	.19	.15	.12
138237	MD.33	✦	.33µF	50	6.0 x 2.0 x 8.0 x 5.1	✳	.14	.11	.08
544930	SR215E334MAA	JVP	.33µF	50	3.8 x 2.5 x 3.8 x 5.1	✳	.15	.12	.09
25558	MD.47	✦	.47µF	50	4.5 x 2.5 x 4.5 x 5.1	✳	.17	.14	.11
81509	MD1	✦	1µF	50	6.0 x 3.0 x 7.0 x 5.1	.35	.29	.22	.17
544956	SR305E105MAA	JVP	1µF	50	3.8 x 2.5 x 3.8 x 5.1	.39	.32	.25	.19

Note: Above case sizes may have ± tolerances *Capacitor dimensions and styles may vary

★AVX Radial Ceramic Capacitors — Enter Web Code XDE

★Prosperity Radial Ceramic Capacitors — Enter Web Code CMC

JAMECO ValuePro

Ceramic Trimmer Capacitor

JAMECO EXCLUSIVE

5mm

- Working voltage: 200VDC
- Withstand voltage: 400VDC
- Turning torque: 35~200 g-cm
- Q Factor @ 1MHz: >200
- Operating temperature range: -30˚C ~ +85˚C
- Insulation resis.: >10MΩ minimum @ 250VDC

★Web Code: PBZ

Part No.	Capacitance Range (pF)	Color Code	1	10	100	1000
136979	9.0–50.0	Green	$.49	$.39	$.29	$.22

8mm (.315")

★Web Code: PAT

- Turning torque: 40~200 g-cm
- Withstand volt.: 550VDC
- Operating temp. range: -55˚C ~ +85˚C
- Working volt.: 250VDC
- Insulation resis.: 10MΩ min. @ 250VDC
- Q Factor @ 1MHz: >300

Part No.	Capacitance Range (pF)	Color Code	1	10	100	1000
134818	3.5–13.0	Ivory	$.49	$.39	$.29	$.19
32839	4.0–34.0ℛ	Yellow	1.15	.99	.85	.69
2077554	5.0–25.0	Blue	.89	.75	.59	.49
32855	6.0-70ℛ	Nil	.99	.85	.69	.59
94449	8.5-100	Purple	.99	.85	.69	.59
94466	8.5-120ℛ	Nil	.99	.85	.69	.59

Memory Back-Up Capacitors

★Web Code: SAB

Applications:

- Back-up on CMOS microcomputers, static RAM, DTSs (digital tuning systems)
- Memory back-up of remote controllers

Features:

- Small size vs. capacitance
- Voltage: 5.5VDC, 8VDC

142957

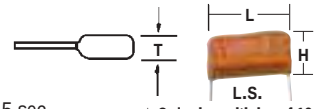
227811

Part No.	Cross Ref. No.	* Mfr.	Value (F)	Size (mm) L x T x Dia.	1	10	100
2082409	MBC.047/8	✦	0.047	13.7x 7.8 x 13.1	$2.95	$2.59	$2.25
142949	MBC.22/5.5	JVP	0.22	11.8 x 6.4 x 12.8	3.95	3.49	2.95
142957	MBC1.0/5.5	✦	1.0	N/A x 7.4 x 20.8	4.25	3.75	3.25
227811	S5R5V105	✦	1.0	24.2 x 4.8 x 18.0	3.95	3.49	2.95

Metallized Polyester Film Mylar Capacitors (±10%)

- Non-inductive construction
- Operating temp. range: -40°C to +85°C
- Dissipation factor: 0.01 (at 1kHz)
- Dielectric strength: 150% of rated volt. for 5 sec.

★Web Code: RAD



✳ Order in multiples of 10

Part No.	Product No.	Value (µF)	Volt. (V)	Size (mm)* L x T x H x L.S.	Pricing 1	10	100	1000
26833	MY.001	.001	100	7.0 x 3.0 x 7.0 x 5.1	✳	$.10	$.07	$.05
1946164	MY.0068	.0068	100	5.5 x 2.5 x 10.0 x 5.1	✳	.08	.06	.04
207829	MY.0068/220	.0068	220	18.0 x 5.5 x 10.0 x 15.2	✳	.10	.07	.05
26884	MY.01	.01	100	6.0 x 3.0 x 7.0 x 5.1	✳	.15	.12	.09
207837	MY.018/50	.018	50	6.1 x 2.6 x 11.3 x 5.1	✳	.05	.03	.02
26905	MY.022	.022	100	6.0 x 3.0 x 10.0 x 5.1	✳	.15	.12	.09
26921	MY.033	.033	100	8.0 x 4.0 x 11.0 x 16.1	✳	.15	.12	.09
26930	MY.047	.047	100	8.0 x 4.0 x 12.0 x 5.1	.25	.19	.15	.12
1946172	MY.068	.068	100	8.6 x 4.0 x 11.0 x 7.6	✳	.17	.14	.11
135562	MY.1/50	.1 ‡	50	14.0 x 6.0 x 12.0 x 5.1	✳	.17	.14	.11
26956	MY.1	.1	100	12.5 x 5.0 x 9.5 x 7.6	.25	.19	.15	.12
93921	MY.1/250	.1	250	12.5 x 5.5 x 10 x 10.1	.29	.22	.17	.14
26972	MY.22	.22	100	12.5 x 5.5 x 10 x 7.6	.25	.19	.15	.12
1946181	MY.22SM	.22	100	12.5 x 5.0 x 8.5 x 10.1	.25	.19	.15	.12
93964	MY.33/250	.33	250	18.0 x 7.0 x 12.5 x 15.2	.32	.25	.19	.15
26999	MY.47	.47	100	18.0 x 6.0 x 11.5 x 16.1	.45	.35	.29	.22
27001	MY1	1.0	100	18.0 x 7.5 x 14.0 x 15.2	.55	.45	.35	.29
93981	MY1/250	1.0	250	26.0 x 9.0 x 16.0 x 15.2	.65	.49	.39	.32
93999	MY2.2/250	2.2	250	26.0 x 9.0 x 16.0 x 27.9	1.25	.99	.79	.65

‡ ±20% tolerance *Capacitor dimensions and styles may vary on items with various manufacturers

More SMT Capacitors Available Online
Enter Web Code: SMT for Complete Listing!

* JVP = Jameco ValuePro | PDC = Prosperity Dielectric Co. | ✦ Manufacturer Varies

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Motor, Metallized & Silver Mica Capacitors

3 LEVELS OF SAVINGS: NAME BRANDS | HOUSE BRANDS | FACTORY OVERRUN

Motor Capacitors

JAMECO ValuePro

- Operating temp.: -25°C to +85°C
- Insulation resistance: >300MΩ • Quick connect
- Metal or plastic shell and double welding sheet metal

★Web Code: MCS

Motor Running Capacitors

Part No.	Cross Ref. No.	Value	Volt (V)	Size D x H (mm)	1	10	50
332806	MRC370V4	4µF	370	34 x 50	$1.95	$1.75	$1.49
332814	MRC370V5	5µF	370	34 x 50	2.49	2.25	1.95
332822	MRC370V7R5	7.5µF	370	36 x 80	2.95	2.65	2.35
332831	MRC370V10	10µF	370	42 x 80	3.25	2.85	2.49
332865	MRC440V10	10µF	440	40 x 70	3.95	3.49	2.95
332849	MRC370V15	15µF	370	40 x 70	4.95	4.49	3.95

Motor Starting Capacitors

332697	MSC125V21	21µF	125	37 x 70	$1.95	$1.75	$1.49
332777	MSC250V30	30µF	250	37 x 70	2.95	2.65	2.35
332785	MSC250V53	53µF	250	46 x 86	3.49	2.95	2.69
536585	PSU10835A*	108µF	250	46 x 86	9.49	8.49	8.09
332700	MSC125V124	124µF	125	37 x 70	2.25	1.95	1.75
332718	MSC125V161	161µF	125	37 x 70	2.25	1.95	1.79
332726	MSC125V189	189µF	125	37 x 70	2.49	2.25	2.09
332734	MSC125V216	216µF	125	37 x 86	2.95	2.65	2.39
332742	MSC125V270	270µF	125	37 x 86	3.25	2.85	2.69
332751	MSC125V590	590µF	125	46 x 111	5.25	4.95	4.75

* Mfr. is Cornell Dubilier

Panasonic® Metallized Film Capacitors (±5%)

V Series – Stacked

- Operating temp. range: -40°C to 85°C
- Low dissipation factor: 1% max.

★Web Code: TAB

Order in multiples of 10

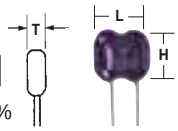
Part No.	Mfr. Part No.	Value (µF)	Voltage	Dimensions (mm) W x H x Th. x L.S.	Pricing 10	100	500
920510	ECQ-V1H104JL℞	.1	50	7.3 x 4 x 5 x 5	$.15	$.12	$.09
920595	ECQ-V1H474JL℞	.47	50	7.3 x 6 x 7.3 x 5	.22	.17	.14

Dipped Silver Mica Capacitors (±5%)

Metallized Polyester Film

★Web Code: HAB

- Case type: DM15 • Lead space: 0.23"
- Operating temp. range: -55˚ to +125˚C • Tolerance: ±5%



Part No.	Product No.	Value	Volt. (V)	Size (mm) L x T x H*	1	10	100	1000
15991	DM100	10pF	500	11 x 4 x 9	$.59	$.49	$.39	$.32
16037	DM220	22pF	500	11 x 4 x 9	.59	.49	.39	.32
16070	DM330	33pF	500	11 x 4 x 9	.55	.45	.35	.29
16096	DM470	47pF	500	11 x 4 x 9	.55	.45	.35	.29
16002	DM101	100pF	500	11 x 4 x 9	.65	.55	.45	.35
16088	DM331	330pF	500	11 x 4 x 9	.95	.75	.59	.49
16109	DM471	470pF	500	11 x 4 x 9	1.09	.89	.69	.55
16011	DM102	1000pF	100	11 x 4 x 9	1.35	1.15	.95	.79

*Capacitor dimensions and styles may vary

Expanded Offering of Thousands of Prosperity SMT Capacitors at www.Jameco.com

SMT Capacitors

- Temperature range: -55˚C to 125˚C
- General purpose

Qty.	10	100	1000	4000
MA0603	$.05	$.03	$.02	$.01
MA0805	.15	.12	.07	.05
MA1206	.10	.08	.06	.05
MA1210	.05	.03	.02	.01
MA1812	.05	.03	.02	.01
RD15	.13	.09	.07	.05
RD16	.08	.06	.04	.02

MA Series:

★MA0603 – 1 values — Web Code: ZAJ

★MA0805 – 13 values — Web Code: ZAK

★MA1206 – 13 values — Web Code: ZAL

★MA1210 – 1 value — Web Code: ZAM

★MA1812 – 1 value — Web Code: ZAN

RD Series:

★RD15 – 4 values — Web Code: ZAO

★RD16 – 1 value — Web Code: ZAP

For Passive Component Testers See Page 147

SMD Capacitors

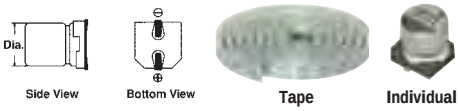
Aluminum Electrolytic Capacitors

JAMECO ValuePro

Leakage current (20˚C) after 2 minutes | .01CV or 3µA

Operating Temp. Range: -55˚C to +105˚C

✳ Order in multiples of 10



★Web Code: BCE

✪ Blue Part No. = Limited Quantity Available

✳ Order in multiples of 10

Part No.	Nichicon Cross Ref No.	Value (µF)	Voltage (V)	Dia. (mm)	Pricing 1	10	100	500
610431	UWT1H0R1MCL1GB℞	0.1	50	4.0	✳	$.15	$.12	$.09
610423	UWT1H010MCL2GB℞	1.0	50	4.0	✳	.15	.12	.09
608631	UUD1H010MCL1GS℞	1.0†	50	4.0	✳	.22	.17	.14
610634	UWT1V2R2MCL2GB℞	2.2	35	4.0	✳	.15	.12	.09
608665	UUD1H2R2MCL1GS℞	2.2†	50	4.0	✳	.22	.17	.14
608681	UUD1H3R3MCL1GS℞	3.3†	50	4.0	✳	.19	.15	.12
608788	UUD1V4R7MCL1GS℞	4.7†	35	4.0	✳	.19	.15	.12
608702	UUD1H4R7MCL1GS℞	4.7†	50	4.0	✳	.19	.15	.12
115351	RV2-166V100MR*	10	16	4.0	✳	.15	.12	.09
610108	UWT0G220MCL1GB℞	22	4.0	4.0	✳	.09	.07	.05
608489	UUD1A220MCL1GS℞	22†	10	4.0	✳	.19	.15	.12
610239	UWT1A220MCL1GB℞	22	10	5.0	✳	.15	.12	.09
610474	UWT1H220MCL1GB℞	22	50	6.3	✳	.22	.17	.14
610183	UWT0J330MCL1GB℞	33	6.3	4.0	✳	.15	.12	.09
608585	UUD1E330MCL1GS℞	33†	25	6.3	✳	.22	.17	.14
610335	UWT1C470MCL1GB℞	47	16	6.3	✳	.15	.12	.09

*Operating temperature: -40°C to +85°C † Low impedance

Part No.	Nichicon Cross Ref No.	Value (µF)	Voltage (V)	Dia. (mm)	Pricing 1	10	100	500
610386	UWT1E470MCL1GB℞	47	25	6.3	$.29	$.22	$.17	$.14
608796	UUD1V680MCL1GS℞	68†	35	6.3	.39	.35	.25	.19
608711	UUD1V680MNL1GS℞	68†	50	8.0	.39	.35	.25	.19
610765	UWX1A101MCL1GB℞	100*	10	6.3	✳	.09	.07	.05
608462	UUD1A101MCL1GS	100†	10	6.3	.32	.25	.19	.15
608569	UUD1E101MCL1GS℞	100†	25	6.3	.35	.29	.22	.17
608737	UUD1V101MNL℞✪	100†	35	8.0	.29	.22	.17	.12
610301	UWT1C221MCL1GB℞	220	16	6.3	✳	.22	.17	.14
610482	UWT1H221MNL1GS℞	220	50	10.0	.49	.45	.39	.29
610378	UWT1E33MNL1GS℞	330	25	8.0	.39	.35	.29	.25
2019961	UUR1E331MNL1GS℞✪	330	25	10.0	.29	.22	.17	.14
608614	UDD1E471MNL1GS℞	470†	25	10.0	.49	.45	.35	.29
610221	UWT0J681MNL1GS℞	680	6.3	8.0	.39	.35	.29	.25
608471	UUD1A102MNL1GS℞	1000†	10	10.0	.49	.45	.35	.29
192989	SE1000/16	1000	16	10.0	.39	.32	.25	.22
610159	UUD0J152MNL1GS℞	1500†	6.3	10.0	.49	.39	.32	.25

Resin Molded Solid Tantalum Chip Capacitors (±20%)

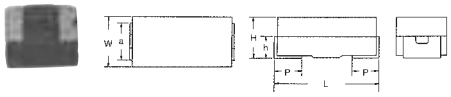
✳ Order in multiples of 10

Part No.	*Mfr.	Capacitance	Case Size	Volt.	Pricing 1	10	100	500
86933	JVP	1µF	A	16	✳	$.12	$.07	$.05
87020	✦	10µF	B	10	✳	.12	.09	.07
87038	✦	10µF	C	16	✳	.19	.15	.12
87101	JVP	47µF	D	16	.35	.29	.23	.21
87118	✦	100µF	D	10	.49	.39	.29	.25
853249	AVX	℞470µF	E	10	1.95	1.75	1.49	1.25

Case Size (Dimensions in mm)

EIA Case Code	L ±0.2	W ±0.2	H ±0.2	P ±0.3	a ±0.2	h(min)
A (3216-18)	3.2	1.6	1.7	0.8	1.2	0.7
B (3528-21)	3.5	2.8	1.9	0.8	2.2	0.7
C (6032-28)	6.0	3.2	2.6	1.3	2.2	1.0
D (7343-31)	7.3	4.3	2.9	1.3	2.4	1.0
E (7343-43)	7.3	4.3	4.1	1.3	2.4	1.0

★Web Code: WAE



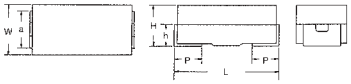
* JVP = Jameco ValuePro | AVX = AVX | ✦ Manufacturer Varies

Resin Molded Solid Tantalum Chip Capacitors continued on next page

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

SMD Molded Tantalum & Ceramic Chip Capacitors

JAMECO ValuePro



Resin Molded Solid Tantalum Chip Capacitors (±10%)

★ Web Code: WAE

Case Size (Dimensions in mm)

EIA Case Code	L ±0.2	W ±0.2	H ±0.2	P ±0.3	a ±0.2	h(min)
A (3216-18)	3.2	1.6	1.7	0.8	1.2	0.7
B (3528-21)	3.5	2.8	1.9	0.8	2.2	0.7
C (6032-28)	6.0	3.2	2.6	1.3	2.2	1.0
D (7343-31)	7.3	4.3	2.9	1.3	2.4	1.0
E (7343-43)	7.3	4.3	4.1	1.3	2.4	1.0

✳ Order in multiples of 10

Part No.	Value (µF) *Low ESR	Case Size	Volt.	Pricing 1	10	100	500
544999	ℛ 0.1µF	A	20	✳	$.10	$.06	$.05
544964	ℛ 0.1µF	A	35	✳	.12	.07	.06
544972	ℛ 0.1µF	A	50	✳	.12	.09	.08
544981	ℛ 1µF	A	16	✳	.12	.07	.06
545001	ℛ 1µF	A	25	✳	.12	.07	.06
597290	ℛ 1µF	A	35	✳	.15	.12	.10
545043	ℛ 2.2µF	A	16	✳	.12	.07	.06
545051	ℛ 3.3µF	A	16	✳	.12	.07	.06
545060	ℛ 3.3µF	A	20	✳	.19	.13	.10
545078	ℛ 4.7µF	A	10	✳	.12	.07	.06

✳ Order in multiples of 10

Part No.	Value (µF) *Low ESR	Case Size	Volt.	Pricing 1	10	100	500
597329	ℛ *4.7µF	A	10	✳	$.19	$.17	$.15
545086	ℛ 6.8µF	A	10	✳	.19	.17	.15
545027	ℛ 10µF	A	6.3	✳	.12	.07	.06
597311	ℛ *10µF	A	6.3	✳	.19	.17	.15
597302	ℛ 10µF	A	10	✳	.12	.07	.06
545115	ℛ *15µF	A	10	✳	.19	.17	.15
545131	ℛ 1µF	B	35	✳	.15	.12	.10
545158	ℛ 2.2µF	B	35	✳	.15	.11	.09
545174	ℛ 4.7µF	B	16	✳	.15	.09	.07
545140	ℛ 10µF	B	16	✳	.19	.13	.07
597337	ℛ *10µF	B	16	.29	.25	.19	.15
545166	ℛ 22µF	B	16	.25	.21	.15	.13
545203	ℛ 47µF	B	10	.39	.35	.29	.25
545254	ℛ 2.2µF	C	35	✳	.19	.12	.10
545262	ℛ 3.3µF	C	35	.29	.25	.19	.16
545220	ℛ 10µF	C	20	.25	.19	.15	.12
545289	ℛ 10µF	C	25	.25	.19	.16	.15
545238	ℛ 10µF	C	35	.45	.39	.29	.25
545300	ℛ 22µF	C	16	.27	.22	.16	.14
545271	ℛ 47µF	C	16	.29	.25	.19	.16
597353	ℛ *47µF	C	16	.49	.45	.39	.35

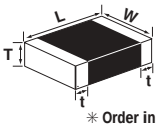
Part No.	Value (µF) *Low ESR	Case Size	Volt.	Pricing 1	10	100	500
545297	ℛ 100µF	C	10	$.49	$.45	$.35	$.29
545385	ℛ 4.7µF	D	35	.49	.45	.39	.35
545414	ℛ 6.8µF	D	50	.49	.45	.39	.35
545326	ℛ 10µF	D	35	.39	.35	.25	.21
545334	ℛ 15µF	D	35	.45	.39	.29	.25
597388	ℛ *15µF	D	35	.49	.45	.39	.35
545342	ℛ 22µF	D	25	.39	.35	.25	.21
597396	ℛ *22µF	D	25	.49	.45	.39	.35
545351	ℛ 22µF	D	35	1.15	.99	.89	.79
597433	ℛ *22µF	D	35	1.25	1.09	.99	.89
597409	ℛ *33µF	D	20	.49	.45	.39	.35
545545	ℛ 33µF	D	25	1.25	1.09	.99	.89
545393	ℛ 47µF	D	16	.39	.35	.25	.21
597417	ℛ *47µF	D	16	.49	.45	.39	.35
545406	ℛ 47µF	D	25	.89	.79	.65	.59
545553	ℛ 68µF	D	20	1.25	1.09	.99	.89
545422	ℛ 100µF	D	10	.45	.35	.29	.25
545473	ℛ 150µF	D	10	.69	.65	.49	.45
545369	ℛ 220µF	D	10	.89	.75	.59	.55
597441	ℛ *220µF	D	10	1.09	.99	.89	.79

Multilayer Ceramic Chip Capacitors

★ Web Code: MCD

SMT Case Dimensions (mm)

	0402	0603	0805	1206	1210	1812
L	1.0	1.6	2.0	3.2	3.2	4.5
W	0.5	0.81	1.25	1.6	2.5	3.2
T	1.02	1.02	0.065	1.55	1.02	1.52
t	0.25	0.35	0.25	0.5	0.5	0.61



✳ Order in multiples of 10

Part No.	*Mfr.	Case	Value	Volt.	Tolerance	Temp.	1	10	100	1000
646135	✦	0402	47pF	50	5	NPO	✳	$.05	$.03	$.02
646178	✦	0402	100pF	50	5	NPO	✳	.05	.03	.015
543742	JVPℛ	0402	2200pF	50	10	NPO	✳	.07	.06	.045
543777	JVPℛ	0402	0.1µF	16	+80/-20	Y5V	✳	.09	.07	.05
646910	✦	0603	100pF	50	5	NPO	✳	.06	.05	.04
544008	JVPℛ	0603	330pF	50	5	NPO	✳	.08	.06	.045
649483	✦	0603	1000pF	50	10	X7R	✳	.05	.03	.02
649598	✦	0603	8200pF	50	10	X7R	✳	.07	.05	.035
735322	AVXℛ	0603	0.01µF	50	5	X7R	✳	.08	.06	.045
920042	PANℛ	0603	0.1µF	25	+80/-20	Y5V	✳	.05	.03	.02
1929031	AVXℛ	0603	0.1µF	25	10	X7R	✳	.12	.09	.06
649766	✦	0603	2.2µF	6.3	10	X5R	✳	.15	.12	.09
649774	✦	0603	4.7µF	6.3	10	X5R	.25	.19	.15	.12
650020	✦	0805	27pF	50	5	NPO	✳	.05	.03	.02
736026	AVXℛ	0805	30pF	50	5	NPO	✳	.07	.06	.05
650097	✦	0805	100pF	50	5	NPO	✳	.05	.03	.02
650126	✦	0805	180pF	50	5	NPO	✳	.05	.03	.02
1566882	✦ℛ	0805	220pF	100	5	NPO	✳	.07	.06	.05
650193	✦	0805	680pF	50	5	NPO	✳	.06	.05	.03
544323	JVPℛ	0805	1000pF	50	10	X7R	✳	.05	.04	.03
2079541	PDC	0805	1200pF	50	5	NPO	✳	.15	.12	.07
544278	✦	0805	2200pF	50	5	NPO	✳	.15	.12	.09
544331	JVPℛ	0805	0.01µF	50	10	X7R	✳	.05	.04	.03
87372	JVPℛ	0805	0.1µF	25	10	X7R	✳	.05	.03	.02
544340	JVPℛ✪	0805	0.1µF	50	10	X7R	✳	.05	.03	.02
87177	JVP	0805	0.1µF	50	20	Z5U	✳	.05	.03	.02
650484	✦	0805	0.33µF	25	10	X5R	.25	.19	.15	.12
650492	✦	0805	0.47µF	25	10	X5R	✳	.06	.05	.04
650687	✦	0805	1.0µF	16	+80/-20	Y5V	✳	.12	.09	.07
650505	✦	0805	1.0µF	25	10	X5R	.25	.19	.15	.12

✪ Blue Part No. = Limited Quantity Available

✳ Order in multiples of 10

Part No.	*Mfr.	Case	Value	Volt.	Tolerance	Temp.	1	10	100	1000
544489	✦	0805	2.2µF	10	10	X5R	$.25	$.19	$.15	$.12
650521	✦	0805	2.2µF	16	10	X5R	.25	.19	.15	.12
650556	✦	0805	3.3µF	10	10	X5R	✳	.17	.14	.11
544420	JVPℛ	0805	4.7µF	6.3	10	X5R	✳	.14	.11	.09
650581	✦	0805	10µF	6.3	10	X5R	✳	.13	.10	.08
920157	PANℛ	0805	10µF	10	+80/-20	F	✳	.15	.12	.10
1858797	MURℛ	0805	10µF	16	+80/-20	Y5V	✳	.12	.09	.07
544497	JVPℛ	1206	10pF	100	5	NPO	✳	.12	.09	.07
544526	JVPℛ	1206	15pF	100	5	NPO	✳	.12	.09	.07
544534	JVPℛ	1206	22pF	100	5	NPO	✳	.12	.09	.07
544542	JVPℛ	1206	33pF	100	5	NPO	✳	.12	.09	.07
544569	JVPℛ	1206	47pF	100	5	NPO	✳	.15	.12	.09
650880	✦	1206	68pF	50	5	NPO	✳	.12	.09	.07
544500	JVPℛ	1206	100pF	100	5	NPO	✳	.06	.05	.04
544551	JVPℛ	1206	330pF	100	5	NPO	✳	.10	.08	.06
544577	JVPℛ	1206	680pF	100	5	NPO	✳	.15	.12	.09
2079795	PDC	1206	1000pF	50	±20	NPO	✳	.10	.08	.06
544681	JVPℛ	1206	1000pF	50	5	NPO	✳	.12	.09	.07
544518	JVPℛ	1206	1000pF	100	5	NPO	✳	.15	.12	.09
651057	✦	1206	1800pF	50	5	NPO	✳	.15	.12	.09
544690	JVPℛ	1206	2200pF	50	5	NPO	✳	.15	.12	.09
651209	✦	1206	4700pF	50	10	X7R	✳	.09	.07	.05
651102	✦	1206	4700pF	50	5	NPO	.25	.19	.15	.12
651111	✦	1206	5600pF	50	5	NPO	.25	.19	.15	.12
651129	✦	1206	0.01µF	25	5	NPO	.25	.19	.15	.12
87329	✦	1206	0.01µF	50	10	X7R	✳	.05	.03	.02
87388	✦	1206	0.1µF	50	10	X7R	✳	.09	.07	.06
651541	✦	1206	0.1µF	50	+80/-20	Y5V	✳	.12	.09	.07
544606	JVPℛ	1206	0.1µF	100	10	X7R	✳	.12	.09	.07
544711	JVPℛ	1206	0.22µF	50	10	X7R	✳	.12	.09	.07
651399	✦	1206	0.27µF	50	10	X7R	✳	.12	.09	.07
544729	JVPℛ	1206	0.33µF	50	10	X7R	✳	.17	.14	.11
544673	JVPℛ	1206	0.47µF	25	10	X7R	✳	.17	.14	.11
651410	✦	1206	0.47µF	50	10	X7R	✳	.19	.15	.12
87222	JVP	1206	0.47µF	50	20	Z5U	.29	.22	.17	.14

Multilayer Ceramic Chip Capacitors continued on next page

* AVX = AVX Corp. | JVP = Jameco ValuePro | MUR = Murata Electronics | PAN = Panasonic | PDC = Prosperity | ✦ Manufacturer Varies

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

SMD Ceramic Chip Capacitors & Resistor Networks

Multilayer Ceramic Chip Capacitors (Continued)

★Web Code: MCD

✳ Order in multiples of 10

Part No.	*Mfr.	Case	Value	Volt.	Tolerance	Temp.	1	10	100	1000
651428	✦	1206	1.0µF	25	10	X7R	✳	$.15	$.12	$.07
651479	✦	1206	2.2µF	16	10	X5R	✳	.13	.10	.07
651452	✦	1206	2.2µF	25	10	X5R	✳	.15	.12	.09
651508	✦	1206	4.7µF	10	10	X5R	.25	.19	.15	.12
651487	✦	1206	4.7µF	16	10	X5R	.25	.19	.15	.12
544745	JVP℞	1206	4.7µF	16	+80/-20	Y5V	.25	.19	.15	.12
651461	✦	1206	4.7µF	25	10	X5R	.29	.22	.17	.14
651532	✦	1206	10µF	6.3	10	X5R	.39	.32	.25	.19
651516	✦	1206	10µF	10	10	X5R	.39	.32	.25	.19
651495	✦	1206	10µF	16	10	X5R	.49	.39	.29	.22
651524	✦	1206	22µF	6.3	10	X5R	.65	.49	.39	.32
651612	✦	1210	0.1µF	50	10	X7R	✳	.15	.12	.09
544761	JVP℞	1210	0.1µF	100	10	X7R	✳	.15	.12	.09
544788	JVP℞	1210	0.22µF	50	10	X7R	✳	.15	.12	.09
651647	✦	1210	0.33µF	50	10	X7R	.25	.19	.15	.12
651655	✦	1210	0.47µF	50	10	X7R	.25	.19	.15	.12

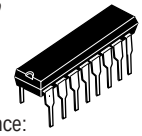
Part No.	*Mfr.	Case	Value	Volt.	Tolerance	Temp.	1	10	100	1000
651663	✦	1210	1.0µF	50	10	X7R	$.39	$.32	$.25	$.19
651671	✦	1210	2.2µF	25	10	X7R	.39	.32	.25	.19
651680	✦	1210	4.7µF	16	10	X7R	.49	.39	.32	.25
651701	✦	1210	4.7µF	25	10	X7R	.45	.35	.29	.25
651698	✦	1210	10µF	10	10	X7R	.49	.39	.32	.25
651786	✦	1210	10µF	10	10	X5R	.75	.59	.45	.35
651735	✦	1210	10µF	16	10	X5R	.49	.39	.29	.22
651719	✦	1210	10µF	25	10	X5R	.59	.49	.39	.32
651751	✦	1210	22µF	6.3	10	X5R	.79	.65	.49	.42
651794	✦	1210	22µF	10	10	X5R	.79	.65	.49	.42
651743	✦	1210	22µF	16	10	X5R	.85	.69	.55	.45
651760	✦	1210	47µF	6.3	10	X5R	1.49	1.29	1.09	.89
651778	✦	1210	100µF	6.3	20	X5R	1.95	1.75	1.49	1.25
651831	✦	1812	1µF	50	10	X5R	.32	.25	.19	.17
651858	✦	1812	22µF	10	10	X5R	.95	.75	.59	.45

Dual-In-Line "DIP" Resistor Networks ±2% (G)

★Web Code: GAP

16-Pin (140mW/Resistor) ±2%

- Max. operating voltage: 100V
- Temp. coefficient:±100ppm/°C
- Operating temp.:-55°C to +125°C
- Insulation res.: 10,000MΩ min.
- Lead solderability/solvent resistance: meets requirements of MIL-R-83401

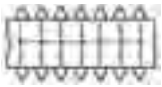


Isolated

Pricing per each			
1	10	100	1000
$.55	$.45	$.35	$.29

Part No.	Ohms	Part No.	Ohms
164005	33	108581	470
108556	100	108599	1.0k
856095	120	108610	4.7k
108564	220	108628	10k
108572	330	108644	100k

Bussed



Order in multiples of 10

Pricing per each		
10	100	1000
$.45	$.35	$.29

Part No.	Ohms
87601	1.0k

SIP Conformal Coated Resistor Networks ±2% (G) & ±5% (J)

- Rated power per resistor at 70°C: 125m w/ resistor
- Insulation resis.: 10,000MΩ min. at 100V
- Low profile is compatible with DIPs
- Operating temp.: -55˚C to 125˚C
- Resistor temp. coefficient: 200ppm/°C
- Common circuit

★Web Code: WRN

✳ Order in multiples of 10

Pricing per each	1	10	100	500	2500
6-pin 2%	✳	$.17	$.14	$.11	$.09
8-pin 2%	.25	.19	.15	.12	.10
8-pin 5%	✳	.17	.14	.11	.09
10-pin 2%	.29	.22	.17	.14	.11
10-pin 5%	.25	.19	.15	.12	.10

YAGEO

97826

97877

6-Pin Bussed (±2%)

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
267098	10	267830	390	268015	6.8k	268162	100k
267670	22	267856	510	268023	8.2k	268171	120k
267688	27	267864	560	268032℞	10k	268189	150k
267696	33	267900℞	1k	268040	12k	268197	180k
267709	39	267901	1.2k	268058	15k	268200	220k
267717	47	267910	1.5k	268066	18k	268218	270k
267725	51	267928	1.8k	268082	22k	268226	330k
267733	56	267936	2k	268091	27k	268234	390k
267741	68	267944	2.2k	268104℞	33k	268242	470k
267750	82	267952	2.7k	268111	39k	268251	560k
267768	100	267961	3.3k	268120	47k	268269	680k
267776	120	267979	3.9k	268138	56k	268277	820k
267792	180	267995	5.1k	268146	68k	268285	1M
267821	330	268007	5.6k	268154	82k		

8-Pin Isolated (±2%)

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
2078021	22	2078039	47	2078055	75	2078071	1.5k
2077984	27	2078047	68	2078135	270	2099956	15k

8-Pin Isolated (±5%)

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
2078119	33	2078127	47	2078098	560	2078012	4.7k
2078101	39	2077992	510	2078004	2.2k	2099964	680

8-Pin Bussed (±2%)

Part No.	Ohms	Part No.	Ohms	(GPart No.	Ohms	Part No.	Ohms
267354	10	276074	820	97826	10k	276365	120k
275872	27	276083℞	1k	276234	12k	276373	150k
275881	33	276091	1.2k	276242	15k	276381	180k
275899	39	276104℞	1.5k	276251	18k	276390	220k
275901	47	276111	1.8k	2077941	20k	276402	270k
2077896	56	97797	2.2k	276277	22k	276411	330k
275936	68	2077968	2.7k	276285	27k	276429	390k
275944	82	276154	3.3k	276293	33k	276437	470k
275987	180	276163℞	3.9k	276306	39k	276445	560k
275995✪	220	276172℞	4.7k	276315	47k	276453	680k
276007	270	276189	5.1k	276331	68k	276461	820k
97762	470	276197	5.6k	276349	82k	276470	1M
276040	510	276200	6.8k	276358℞	100k		

✪ Blue P/N = Limited Quantity

8-Pin Bussed (±5%)

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
2077829	10	2077909	56	2077950	4.7k	2077634	82k
2077853	22	2077837	150	2077802	8.2k	2077773	150k
2077861	33	2077845	1k	2077925	10k		

10-Pin Isolated (* ±2; † ±5%)

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
97586	330*	2078063	470†	2078080	10k†	2078143	47k†
97594	470*	2077976	680*				

10-Pin Bussed (±2%)

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
267418	10	97869	470	2077757	5.6k	281068	82k
280583	22	2077749	820	280938	8.2k	98095	100k
280591	27	97877	1k	24643	10k	281084	120k
2077706	33	280816℞	1.2k	280962	15k	281105	180k
280612	39	280823	1.5k	280971	18k	281113	220k
280621	47	280831	1.8k	2077933	20k	281121	270k
280647	56	2077870	2k	280998℞	22k	281130	330k
280663	82	97893	2.2k	281025	39k	281148	390k
97834	100	773530	3.3k	281034℞	47k	281172	680k
280701	180	280920	3.8k	281041	56k	281181	820k
280720℞	220	24660	4.7k	281050	68k	281199	1M
97851	330	280903	5.1k				

10-Pin Bussed (±5%)

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
2077765	18	2077669	100	2077693	2k	2077722	47k
2077642	22	2077677	180	2077714	10k	2077731	100k
2077651	33	2077888	470				

5-Watt Wirewound Resistors (5%)

★Web Code: TCH

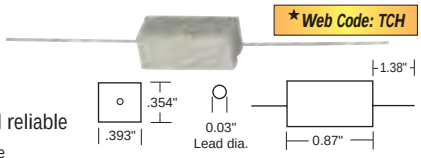
Single Value Resistor Pricing: 5-Watt Wirewound Resistors (±5%)

To order: Use part no. adjacent to Ω in chart below. Values may not be combined for quantity price breaks.

Pricing Per Resistor					
Specify Part No. & Resistor Value	1	10	100	500	2500
(see Standard Resistor Values Chart below)	$.39	$.32	$.25	$.19	$.15

- Temp range: -55°C to +155°C
- Moisture resistant
- High temperature stability
- Exceptionally small, sturdy and reliable

✪ Blue Part No. = Limited Quantity Available



Part No.		Ohms	Part No.		Ohms	Part No.		Ohms	Part No.		Ohms	Part No.		Ohms	Part No.		Ohms	Part No.		Ohms
659956	℞	0.10	660050	℞	0.5	660279	℞	4.0	660412	℞	15	660551	℞	50	660877	℞	1.0k	661044	℞	20k
659964	℞	0.15	660130	℞	1.0	660295	℞	5.0	660447	℞	20	660623	℞	100	661010	℞	4.7k			
659981	℞✪	0.22	660201	℞	2.0	660375	℞	10	660480	℞	27	660851	℞	820	661036	℞	10k			

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

1/4-Watt Carbon Film Resistors (±5%) RoHS

★ Web Code: RCN

Single Value Resistor Pricing: 1/4-Watt Carbon Film Resistors (±5%)

To order: Use part number adjacent to ohms in chart below.
Values may not be combined for quantity price breaks.

Pricing per Resistor (Please order in increments of 100)				
Specify Part No. & Resistor Value	100	1000	5000	25000
(see Standard Resistor Values Chart below)	$.02	$.011	$.009	$.007

Assortment Pricing: 1/4-Watt Carbon Film Resistors (±5%)

Assortments may not be combined for quantity price breaks

Part No.	Cross Ref. No.	Values Included	Description (see chart below)	Pricing 1	5	50
10720	ASST8-R	—	5 ea. 70 values (350 pcs.) ℛ (every other value from 10Ω - 5.6 MΩ) ℛ	$9.95	$8.49	$6.95
103166	ASST30-R	● ✖	10 ea. 24 values marked ● and 50 ea. 6 values marked ✖ (540 pcs.) ℛ	12.95	10.95	8.95
10664	ASST27-R	▲	100 ea. 27 values marked (2,700 pcs.) ℛ	24.95	21.95	19.95
81832	N/A	—	1/4-watt resistor cabinet kit 30 values, see pg 41 (540 pcs.)	27.95	25.95	23.95

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
690216	ℛ 2.2	690427	ℛ 15	690620 ▲✖	ℛ 100	690822 ▲●	ℛ 680	691024 ▲✖	ℛ 4.7k	691227 ▲●	ℛ 33k	691420	ℛ 220k	691622	ℛ 1.5M
690224	ℛ 2.4	690435	ℛ 16	690638	ℛ 110	690831	ℛ 750	691032 ▲●	ℛ 5.1k	691235	ℛ 36k	691438	ℛ 240k	691631	ℛ 1.6M
690232	ℛ 2.7	690443	ℛ 18	690646	ℛ 120	690849	ℛ 820	691041 ▲●	ℛ 5.6k	691243	ℛ 39k	691446	ℛ 270k	691892	ℛ 1.8M
690241	ℛ 3.0	690451	ℛ 20	690654	ℛ 130	690857	ℛ 910	691059	ℛ 6.2k	691251	ℛ 43k	691454	ℛ 300k	691649	ℛ 2.0M
690259	ℛ 3.3	690460	ℛ 22	690662 ▲●	ℛ 150	690865 ▲✖	ℛ 1.0k	691067	ℛ 6.8k	691260 ▲●	ℛ 47k	691462	ℛ 330k	691657	ℛ 2.2M
690267	ℛ 3.6	690478	ℛ 24	690671	ℛ 160	690873	ℛ 1.1k	691075	ℛ 7.5k	691278	ℛ 51k	691471	ℛ 360k	691665	ℛ 2.4M
690275	ℛ 3.9	690486	ℛ 27	690689	ℛ 180	690881 ●	ℛ 1.2k	691083	ℛ 8.2k	691286	ℛ 56k	691489	ℛ 390k	691673	ℛ 2.7M
690283	ℛ 4.3	690494	ℛ 30	690697	ℛ 200	690890	ℛ 1.3k	691091	ℛ 9.1k	691294	ℛ 62k	691497	ℛ 430k	691681	ℛ 3.0M
690291	ℛ 4.7	690507	ℛ 33	690700 ▲✖	ℛ 220	690902 ▲●	ℛ 1.5k	691104 ▲✖	ℛ 10k	691307	ℛ 68k	691500 ▲●	ℛ 470k	691690	ℛ 3.3M
690304	ℛ 5.1	690515	ℛ 36	690718	ℛ 240	690911	ℛ 1.6k	691112	ℛ 11k	691315	ℛ 75k	691518	ℛ 510k	691702	ℛ 3.6M
690312	ℛ 5.6	690523	ℛ 39	690726 ▲●	ℛ 270	690929	ℛ 1.8k	691121	ℛ 12k	691323	ℛ 82k	691526	ℛ 560k	691711	ℛ 3.9M
690321	ℛ 6.2	690531	ℛ 43	690734	ℛ 300	690937 ▲●	ℛ 2.0k	691139	ℛ 13k	691331	ℛ 91k	691534	ℛ 620k	691737	ℛ 4.7M
690339	ℛ 6.8	690540 ▲●	ℛ 47	690742 ▲●	ℛ 330	690945 ▲●	ℛ 2.2k	691147 ▲●	ℛ 15k	691340 ▲✖	ℛ 100k	691542	ℛ 680k	691745	ℛ 5.1M
690347	ℛ 7.5	690558	ℛ 51	690751	ℛ 360	690953	ℛ 2.4k	691155	ℛ 16k	691358	ℛ 110k	691551	ℛ 750k	691753	ℛ 5.6M
690363	ℛ 8.2	690566	ℛ 56	690769 ●	ℛ 390	690961 ▲●	ℛ 2.7k	691163	ℛ 18k	691366	ℛ 120k	691569	ℛ 820k	691761	ℛ 6.2M
690371	ℛ 9.1	690574	ℛ 62	690777	ℛ 430	690970	ℛ 3.0k	691171 ●	ℛ 20k	691374	ℛ 130k	691577	ℛ 910k	691770	ℛ 6.8M
690380 ▲●	ℛ 10	690582	ℛ 68	690785 ▲●	ℛ 470	690988 ▲●	ℛ 3.3k	691180 ▲●	ℛ 22k	691382	ℛ 150k	691585 ▲●	ℛ 1.0M	691788	ℛ 7.5M
690398	ℛ 11	690591	ℛ 75	690793	ℛ 510	690996	ℛ 3.6k	691198	ℛ 24k	691391	ℛ 160k	691593	ℛ 1.1M	691796	ℛ 8.2M
690401	ℛ 12	690603	ℛ 82	690806	ℛ 560	691008	ℛ 3.9k	691201	ℛ 27k	691403	ℛ 180k	691606	ℛ 1.2M	691809	ℛ 9.1M
690419	ℛ 13	690611	ℛ 91	690814	ℛ 620	691016	ℛ 4.3k	691219	ℛ 30k	691411	ℛ 200k	691614	ℛ 1.3M	691817 ▲●	ℛ 10M

1/2-Watt Carbon Film Resistors (±5%)

★ Web Code: SCH

Single Resistor Value Pricing: 1/2-Watt Carbon Film Resistors (±5%)

To order: Use part number adjacent to ohms in chart below.
Values may not be combined for quantity price breaks.

Pricing Per Resistor (Please order in increments of 100)				
Specify Part No. & Resistor Value	100	1000	5000	25000
(see Standard Resistor Values Chart below)	$.03	$.02	$.014	$.01

Assortment Pricing: 1/2-Watt Carbon Film Resistors (±5%)

Assortments may not be combined for quantity price breaks

Part No.	Cross Ref. No.	Values Included	Description (see chart below)	1	5
107853	ASST1230ℛ	✗ #	10 ea. of 24 values marked by ✗ and 50 ea. of 6 values marked by # (540 pcs.)	$15.95	$14.25
107845	ASST1227ℛ	✔	100 ea. of 27 values marked by ✓ (2,700 pcs.)	36.95	32.95
107837	ASST1270ℛ	N/A	5 ea. of 70 values (every other value from 10Ω - 5.6MΩ)(350 pcs.) (see chart below)	9.95	8.95
107879	CAB12R	N/A	1/2-watt resistor component cabinet kit – 30 values (540 pcs.), see page 41	29.95	26.95

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
659577	ℛ 1.0	659892	ℛ 22	661255	ℛ✪ 91	661423 ✔✗	ℛ 470	661562	ℛ 1.8k	661731	ℛ 8.2k	661933	ℛ 56k	662151 ✔✗	ℛ 470k
659593	ℛ 1.2	661124	ℛ 27	661263 ✔#	ℛ 100	661431	ℛ 510	661571 ✔✗	ℛ 2.0k	661757 ✔#	ℛ 10k	661950	ℛ 68k	662194	ℛ 680k
659614	ℛ 1.5	661132	ℛ 30	661280	ℛ 120	661440	ℛ 560	661589 ✔✗	ℛ 2.2k	661773	ℛ 12k	661976	ℛ 82k	662215	ℛ 820k
659631	ℛ 1.8	661141	ℛ 33	661301 ✔✗	ℛ 150	661458	ℛ 620	661600 ✔✗	ℛ 2.7k	661790 ✔✗	ℛ 15k	661992 ✔#	ℛ 100k	662231 ✔✗	ℛ 1.0M
659657	ℛ 2.2	661167	ℛ 39	661327	ℛ 180	661466 ✔✗	ℛ 680	661618	ℛ 3.0k	661811	ℛ 18k	662039	ℛ 150k	662258	ℛ 1.2M
659673	ℛ 2.7	661183 ✔✗	ℛ 47	661335	ℛ 200	661474	ℛ 750	661634 ✔✗	ℛ 3.3k	661829	ℛ 20k	662071	ℛ 220k	662291	ℛ 1.8M
659737	ℛ 4.7	661191	ℛ 51	661343 ✔#	ℛ 220	661482	ℛ 820	661642	ℛ 3.6k	661837 ✔✗	ℛ 22k	662098	ℛ 270k	662311	ℛ 2.2M
659809	ℛ 9.1	661204	ℛ 56	661351	ℛ 240	661503 ✔#	ℛ 1.0k	661651	ℛ 3.9k	661845	ℛ 24k	662119	ℛ 330k	662397	ℛ 4.7M
659817 ✔✗	ℛ 10	661212	ℛ 62	661360 ✔✗	ℛ 270	661520	ℛ 1.2k	661677 ✔#	ℛ 4.7k	661853 ✗	ℛ 27k	662135	ℛ 390k	662477 ✔✗	ℛ 10M
659833	ℛ 12	661221	ℛ 68	661378	ℛ 300	661538	ℛ 1.3k	661685 ✔✗	ℛ 5.1k	661870 ✔✗	ℛ 33k				
659850	ℛ 15	661239	ℛ 75	661386 ✔✗	ℛ 330	661546 ✔✗	ℛ 1.5k	661693 ✔✗	ℛ 5.6k	661896	ℛ 39k				
659884	ℛ 20	661247	ℛ 82	661407 ✗	ℛ 390	661554	ℛ 1.6k	661714 ✗	ℛ 6.8k	661917 ✔✗	ℛ 47k				

★ More 1/2W Resistors Web Code: SCH

✪ Blue Part No. = Limited Quantity Available

(✓), (✗), (#) symbols indicate Resistor values included in Assortments above.

1/8-Watt Carbon Film Resistor (±5%) Assortment

Part No.	Cross Ref.	Values	Description (see chart, right)	1	5
108303	ASST1830ℛ	✗ #	10 ea. of 24 values marked by ✗ and 50 ea. of 6 values marked below by # (540 pcs.)	$10.95	$8.95
108329	CAB182R	—	1/8 watt resistor component cabinet kit 30 values (540 pcs.) see page 41	25.95	22.95

1/8-Watt Resistors sold in bags of 100				
Specify Part No. & Resistor Value	1	10	50	250
(see Standard Resistor Values Chart below)	$4.00	$2.00	$1.00	$.75

1/8-Watt Resistor Assortment Values (Ohms)

10 ✗	150 ✗	330 ✗	680 ✗	2.0k ✗	3.3k ✗	5.6k ✗	15k ✗	33k ✗	470k ✗
47 ✗	220 #	390 ✗	1.0k #	2.2k ✗	4.7k #	6.8k ✗	22k ✗	47k ✗	1.0M ✗
100 #	270 ✗	470 ✗	1.5k ✗	2.7k ✗	5.1k ✗	10k #	27k ✗	100k #	10M ✗

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
107916	100	108097	5.1k	1849591	ℛ 10k	108214	100k
1849639	ℛ 1k	108118	6.8k	108185	33k		

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Passives

0805 (1/8W) Chip Resistor Assortment (±5%)

144 Values, 50 pcs. each

- 7,200 pieces total
- Max. overload volt.: 200V
- Case size (2 cases): 10.5"L x 6.7"W x 1.7"T
- Operating temp.: 70˚C
- Weight: 1.9 lbs.
- Size (mm): 2.0L x 1.25W x 0.5Thick

Includes: Case with labels

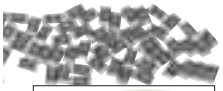
Part No.	Product No.	1	5	25
172806	16-500.....	$74.95	$64.95	$54.95

Resistance Value Chart:

1.2	10	75	430	2.0k	10k	51k	270k	2.2M
1.6	16	85	470	2.2k	11k	56k	300k	2.4M
2.2	18	91	510	2.4k	12k	62k	360k	2.7M
2.4	20	110	560	2.7k	13k	68k	390k	3.0M
2.7	22	120	620	3.0k	15k	75k	430k	3.3M
3.0	24	130	680	3.3k	16k	82k	470k	3.6M
3.3	27	150	750	3.6k	18k	91k	510k	3.9M
4.3	30	160	820	3.9k	20k	100k	560k	4.3M
4.7	33	180	910	4.3k	22k	110k	620k	4.7M
5.1	39	200	1.0k	4.7k	24k	120k	750k	5.1M
5.6	43	220	1.1k	5.6k	27k	150k	820k	5.6M
6.2	47	240	1.2k	6.2k	30k	160k	910k	6.8M
6.8	51	270	1.3k	6.8k	33k	180k	1.0M	7.5M
7.5	56	300	1.5k	7.5k	36k	200k	1.6M	8.2M
8.2	62	360	1.6k	8.2k	39k	220k	1.8M	9.1M
9.1	68	390	1.8k	9.1k	43k	240k	2.0M	10M

1206 (1/4W) Chip Resistor Assortment (±1%)

56 Values, 200 pcs. each; 11,200 pcs. Total



- Maximum working voltage: 200V
- Operating temp.: 70˚C
- Temp. coefficient: ±100 ppm/˚C
- Resistor dimensions (mm): 3.10L x 1.5 W x 0.55H
- **Packaged 200 pc. strip**

Part No.	Cross Ref. No.	1	5	25
156882	SMR1206SB.....	$94.95	$84.95	$76.95

Value Chart (Ohms)

10	121	1.5k	20k	243k
12.1	150	2k	24.3k	301k
15	200	2.43k	30.1k	392k
20	243	3.01k	39.2k	499k
24.3	301	3.92k	49.9k	619k
30.1	392	4.99k	31.9k	750k
39.2	499	6.19k	75k	909k
49.9	619	7.5k	90.9k	1M
61.9	750	9.09k	100k	
75	909	10k	121k	
90.9	1k	12.1k	150k	
100	1.21k	15k	200k	

Expanded Offering of Thousands of Resistors at www.Jameco.com

YAGEO

1/4W 1% Metal Film Resistors

- *Wire leads*
- *Color bands*

Qty.	10	100	1000	5000
MF-25	$.05	$.02	$.015	$.01

MFR Series – 66 Values ★ ***Web Code: MFR***

1/16W 5% Chip Resistor Arrays

TC164 YC164

- *Op. temp.: +55˚C to 155˚C*
- *4-chip resistors*

Qty.	10	100	1000	5000
TC-164	$.08	$.06	$.04	$.02
YC-164	.08	.06	.04	.02

TC164 Series – 2 Values ★ ***Web Code: ZAH***

YC164 Series – 4 Values ★ ***Web Code: ZAG***

RC Series 1% SMD Thick Film Resistors

- *Op. temp.: +55˚C to 125˚C*
- *General purpose*

Qty.	10	100	1000	5000
0603	$.05	$.02	$.015	$.01
0805	.06	.024	.014	.014
1206	.08	.025	.02	.007
1210	.08	.025	.02	.007

1/10W 0603 – 16 Values ★ ***Web Code: ZAA***

1/8W 0805 – 45 Values ★ ***Web Code: ZAB***

1/4W 1206 – 27 Values ★ ***Web Code: ZAC***

1/2W 1210 – 1 Value ★ ***Web Code: ZAQ***

RC Series 5% SMD Thick Film Resistors

- *Op. temp.: +55˚C to 125˚C*
- *General purpose*

Qty.	10	100	1000	5000
0603	$.05	$.018	$.014	$.003
0805	.05	.018	.014	.014
1206	.08	.025	.02	.007

1/10W 0603 – 30 Values ★ ***Web Code: ZAD***

1/8W 0805 – 64 Values ★ ***Web Code: ZAE***

1/4W 1206 – 47 Values ★ ***Web Code: ZAF***

Series 766 SMT Chip Resistor Array

CTS

- ±2% or 0.5Ω whichever is greater
- Dielectric strength: 100VAC
- Max. operating volt.: 50V • Bussed
- Power: 1W @ 70°C

Part No.	Product No.	1	10	100
1179284	745C101103JP.....	$.75	$.59	$.49

Honeywell

2-Watt Linear Taper Potentiometers (±10%)

RV4N Series (53C3)

13936

- 2W @ 70˚C ambient • Non-rotational key
- Shaft length: 0.875" • Shaft dia.: 0.25"
- Temp. range: -55˚C to +120˚C
- Mounting hole: 0.375"
- Max. panel thickness: 0.25"

Includes: Mounting hardware

★ ***Web Code: JAE***

Qty.	1	10	50	100
Price	$10.49	$9.25	$7.95	$6.95

Part No.	Military No.	Ohms	Part No.	Military No.	Ohms
241568	RV4NAYSD101A	100	13952	RV4NAYSD103A	10k
241584	RV4NAYSD251A	250	241656	RV4NAYSD203A	20k
183610	RV4NAYSD501A	500	241664	RV4NAYSD253A	25k
13936	RV4NAYSD102A	1k	95417	RV4NAYSD503A	50k
241613	RV4NAYSD202A	2k	13979	RV4NAYSD104A	100k
241621	RV4NAYSD252A	2.5k	241681	RV4NAYSD254A	250k
13995	RV4NAYSD502A	5k	241728	RV4NAYSD105A	1M

ALPHA

16mm Linear Taper Potentiometers

★ ***Web Code: YAX***

- Rated voltage: 200V
- Body diameter: 0.63"
- Shaft diameter: 0.250"
- Insulation resistance: >100MΩ @ 500VDC

286206

286598

286767

286678

286257

1/8-Watt (±20%)

- Rotational angle: 300˚ (±5˚) • Rotation life: 15k cycles

Qty.	1	10	100	500
Price	$1.39	$1.19	$1.05	$.89

Part No.	Manufacturer Part No.	Shaft Length	Ohms
286193	RV16AF-10-20R1-B53	0.531"	5k
286206	RV16AF-10-20R1-B14	0.531"	10k
286214	RV16AF-10-20R1-B54	0.531"	50k
286222	RV16AF-10-20R1-B55	0.531"	500k

1/8-Watt with SPST Switch (±20%)

- Withstanding voltage: 500VAC for 1 min.
- Switch rating: 12VDC/1A

Qty.	1	10	100	500
Price	$2.15	$1.95	$1.75	$1.59

Part No.	Manufacturer Part No.	Shaft Length	Ohms
286598	RV16A03F-10-15R1-B1K	0.335"	1k
286620	RV16A03F-10-15R1-B10K	0.335"	10k

1/5-Watt with SPST Switch (±20%)

- Rotational angle: 270˚ (±5˚) • Rotation life: 100k cycles

Qty.	1	10	100	500
Price	$2.95	$2.69	$2.39	$1.95

Part No.	Manufacturer Part No.	Shaft Length	Ohms
286767	RV16C-40-16F1-B5K	0.374"	5k
286791	RV16C-40-16F1-B500K	0.374"	500k

1/5-Watt with DPDT Switch (±20%)

- Rotation angle: 300˚ (±5˚) • Rotation life: 15k cycles
- Terminal type: solder lugs (except P/N 286758: PC terminal)

Qty.	1	10	100
Price	$2.75	$2.49	$2.25

Part No.	Manufacturer Part No.	Shaft Length	Ohms
286678	RV16B-10-15R1-B5K	0.335"	5k
286694	RV16B-10-15R1-B50K	0.335"	50k
286707	RV16B-10-15R1-B100K	0.335"	100k
286758	RV16B-20-15R1-B100K	0.335"	100k

1/5-Watt (±20%)

- Shaft diameter: 0.25" • Body diameter: 0.63"

Qty.	1	10	100	500
Price	$1.59	$1.35	$1.15	$.99

Part No.	Manufacturer Part No.	Shaft Length	Ohms
286249	RV16AF-10-15R1-B13	0.335"	1k
286257	RV16AF-10-15R1-B2K	0.335"	2k
286265	RV16AF-10-15R1-B53	0.335"	5k
286273	RV16AF-10-15R1-B14	0.335"	10k
163563	PMD401K	0.605"	10k
286282	RV16AF-10-15R1-BF4	0.335"	25k
286302	RV16AF-10-15R1-B15	0.335"	100k
286337	RV16AF-10-15R1-B16	0.335"	1M

ALPHA

24mm Audio Taper 1/4-Watt (±20%)

- Body diameter: 0.945"
- Shaft diameter: 0.250"
- Terminal type: solder lugs
- Rotational angle: 300° (±5°)
- Insulation resistance: >100MΩ @ 500VDC
- Max. voltage: 250V

★ ***Web Code: MBQ***

255426

Qty.	1	10	100	500
Price	$1.49	$1.29	$1.09	$.95

Part No.	Manufacturer Part No.	Shaft Length	Ohms
255426	RV24AF-10-15R1-A14	0.335"	10k
255434	RV24AF-10-15R1-A54	0.335"	50k
255442	RV24AF-10-15R1-A15	0.335"	100k
255451	RV24AF-10-15R1-A55	0.335"	500k
255469	RV24AF-10-15R1-A16	0.335"	1M

JAMECO ValuePro

1/2-Watt Linear Taper (±10%)

- Temperature range:-55˚C to +125˚C
- Non-rotational key, Non-slotted shaft end
- Maximum panel thickness: 0.1875"
- Mounting hole: 0.3125"
- Shaft dia.: 0.25" • Shaft length: 0.50"

Includes: Mounting hardware

Qty.	1	10	100	500
Price	$1.09	$.95	$.79	$.65

Part No.	Cross Ref.	Ohms	Part No.	Cross Ref.	Ohms
29050	P1K	1k	29103	P100K	100k
29197	P5K	5k	29066	P1MEG	1M
29082	P10K	10k			

RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 190.*

Linear Taper, Wirewound & Cermet Potentiometers

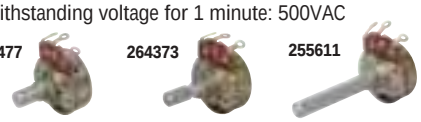
1/2-Watt 24mm Linear Taper (±20%)

ALPHA

- Rotational angle: 300° (±5°)
- Max. volt.: 500V • Shaft Dia.: 0.25"
- Withstanding voltage for 1 minute: 500VAC

★Web Code: NBQ

255477 264373 255611



Qty.	1	10	100	500
Price	$1.49	$1.29	$1.15	$.99

Part No.	Manufacturer Part No.	Shaft Length (L)	Ohms
255477	RV24AF-10-15R1-B52ℛ	0.335"	500
255485	RV24AF-10-15R1-B13ℛ	0.335"	1k
255493	RV24AF-10-15R1-B23ℛ	0.335"	2k
255514	RV24AF-10-15R1-B53ℛ	0.335"	5k
255522	RV24AF-10-15R1-B14ℛ	0.335"	10k
255531	RV24AF-10-15R1-BF4ℛ	0.335"	25k
255549	RV24AF-10-15R1-B54ℛ	0.335"	50k
255557	RV24AF-10-15R1-B15ℛ	0.335"	100k
255565	RV24AF-10-15R1-BF5ℛ	0.335"	250k
255573	RV24AF-10-15R1-B55ℛ	0.335"	500k
255582	RV24AF-10-15R1-B16ℛ	0.335"	1M
255600	RV24AF-10-15R1-B26ℛ	0.335"	2M
264373	RV24AF-10-20K-B52ℛ	0.531"	500
264382	RV24AF-10-20K-B13ℛ	0.531"	1k
264400	RV24AF-10-20K-B23ℛ	0.531"	2k
264402	RV24AF-10-20K-B53ℛ	0.531"	5k
264411	RV24AF-10-20K-B14ℛ	0.531"	10k
264429	RV24AF-10-20K-B54ℛ	0.531"	50k
264437	RV24AF-10-20K-B15ℛ	0.531"	100k
264445	RV24AF-10-20K-BF5ℛ	0.531"	250k
264462	RV24AF-10-20K-B16ℛ	0.531"	1M
264480	RV24AF-10-20K-B26ℛ	0.531"	2M
255611	RV24AF-10-40R1-B52ℛ	1.32"	500
255629	RV24AF-10-40R1-B13ℛ	1.32"	1k
255662	RV24AF-10-40R1-B14ℛ	1.32"	10k
255696	RV24AF-10-40R1-B15ℛ	1.32"	100k

1/2-Watt 24mm Linear Taper with SPST Switch (±20%)

ALPHA

- Shaft diameter: 0.25"
- Maximum voltage: 500V
- Terminal type: solder lugs
- Switch rating: 125VAC, 1A
- Rotational angle: 300° (±5°)

★Web Code: KBR

263759

✪ Blue Part No. = Limited Quantity Available

Qty.	1	10	100	500
Price	$1.95	$1.75	$1.49	$1.35

Part No.	Manufacturer Part No.	Shaft Length	Ohms
263759	RV24A01F-10-15R1-B52	0.335"	500
263768	RV24A01F-10-15R1-B13ℛ	0.335"	1k
263784	RV24A01F-10-15R1-B5Kℛ ✪	0.335"	5k
263792	RV24A01F-10-15R1-B14ℛ	0.335"	10k
263805	RV24A01F-10-15R1-BF4ℛ	0.335"	25k
263813	RV24A01F-10-15R1-B54ℛ	0.335"	50k
263822	RV24A01F-10-15R1-B100Kℛ	0.335"	100k
263848	RV24A01F-10-15R1-B55ℛ	0.335"	500k

2 & 5-Watt Linear Taper Wirewound (±20%)

JAMECO ValuePro

JAMECO EXCLUSIVE

- Temp. range: -10˚C to +70˚C
- Non-rotational key

Includes: Mounting hardware

123960

2-Watt (±20%) • Length: 0.825"

★Web Code: WAR

- Shaft diameter: 0.25"
- Mounting hole: 0.375" • Base length: 0.25"

Part No.	Cross Ref. No.	Ohms	1	10	100	500
123960	PT1Kℛ	1k ..	$3.95	$3.49	$3.09	$2.69
123968	PT5Kℛ	5k	4.95	4.49	3.95	3.59

5-Watt (±20%)

- Shaft length/diameter: 0.67"/0.23" (6mm)
- Mounting hole: 0.32"
- Maximum panel thickness: 0.1"

Part No.	Cross Ref. No.	Ohms	1	10	100	500
140514	PW5B100ℛ	100	$2.75	$2.49	$2.25	$1.75

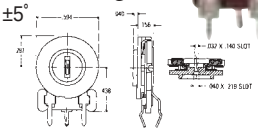
1/4-Watt Miniature Linear (±20%)

X201 (19/32") Vertical Mount

- 15mm thick • Volt. rating: 350VDC
- Power rating: below 5kΩ – 1/4 watt @ 40˚C; 5kΩ & above – 1/4 watt @ 55˚C
- Total rotation: 260˚ ±5˚

Cross Ref. Chart

Equivalent to:	
CTS	X201R
Bourns	3355X
PIHER	PT15



Qty.	1	10	100	500
Price	$.55	$.45	$.39	$.35

Part No.	Cross Ref. No.	Ohms	Part No.	Cross Ref. No.	Ohms
94693	X201R1Kℛ	1k	94714	X201R10Kℛ	10k
35503	X201R252Bℛ	2.5k	94722	X201R50Kℛ	50k
94706	X201R5Kℛ	5k	94731	X201R100Kℛ	100k

1/2-Watt, 1/4" Round, Cermet Potentiometers (±10%)

3329P Series Value Equivalents

Cross Ref. Chart

Equivalent to:	
Beckman	82M
Bourns	3329P
Mepcopal	8050
MEC	471
Murata	3321P
Spectrol	62-3
VRN	171
Weston	567

- Sealed to withstand wave soldering and immersion cleaning process
- Terminals: solderable pins
- TO-5 grid
- Top adjustment
- Extended temp. range: -55˚C to +150˚C

95484

★Web Code: JDG

Qty.	1	10	100	500
Price	$1.75	$1.49	$1.25	$.99

Part No.	Cross Ref. No.	Ohms	Part No.	Cross Ref. No.	Ohms
254465	3329P-101	100	254538	3329P-203ℛ	20k
254473	3329P-201	200	95484	3329P-104	100k
95441	3329P-102	1k	254570	3329P-204	200k
95450	3329P-502	5k	254597	3329P-105ℛ	1M
96719	3329P-103	10k			

Bourns® 2-Watt 10-Turn Wirewound (±5%)

183548

- Insulation resis.: (500VDC) 1000MΩ min.
- Absolute min. resis.: 1Ω or 0.1% maximum

★Web Code: JBE

- Operating temp. range: +1°C to +125°C

855818

3540S-1 Series: 2W @ 70˚C; metal
3590S-1 Series: 2W @ 40˚C; plastic
3540S-1 Series: 2W @ 40˚C; metal

Part No.	Mfr. Part No.	Ohms	1	10	50
183548	3540S-1-502Lℛ	5k	$16.95	$15.49	$13.95
855818	3590S-2-502Lℛ	5k	9.95	8.95	8.25
183521	3540S-1-103	10k	14.49	12.95	11.49
771121	3590S-1-103Lℛ	10k	9.95	8.95	8.25
771155	3590S-2-103Lℛ	10k	9.95	8.95	8.25
771139	3590S-1-104Lℛ	100k ..	12.95	11.75	10.75

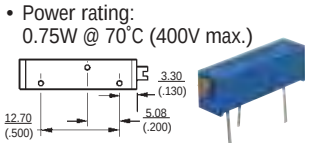
3/4-Watt, 3/4" Rectangular, 15-Turn Cermet Potentiometers Side Adjustment (±10%)

3006P Series Value Equivalents ★Web Code: FDG

- Low PC board profile
- Temp. range: -55°C to 125°C
- Absolute min. resis.: 1% or 2Ω
- Contact resis.: 1% or 1Ω max.
- Power rating: 0.75W @ 70˚C (400V max.)

Cross Ref. Chart

Equivalent to:	
Allen Bradley	94P
Beckman	89PR
Bourns	3006P
Litton	6034Y
Mepcopal	8034
Murata	2101P
Spectrol	43P
VRN	961-20
Weston	830P



Qty.	1	10	100	500
Price	$1.49	$1.29	$1.09	$.95

Part No.	Cross Ref. No.	Ohms	Part No.	Cross Ref. No.	Ohms
241235	3006P-101ℛ	100	241307	3006P-203ℛ	20k
241242	3006P-201	200	241314	3006P-253+	25k
41937	3006P-501	500	41911	3006P-503	50k
241252	3006P-501ℛ	500	241323	3006P-503ℛ	50k
241269	3006P-102+	1k	41849	3006P-104	100k
41865	3006P-202	2k	241332	3006P-104ℛ	100k
241278	3006P-202ℛ	2k	63001	3006P-204	200k
41890	3006P-502	5k	241350	3006P-204ℛ	200k
241286	3006P-502ℛ	5k	41953	3006P-504	500k
41822	3006P-103	10k	41806	3006P-105	1M
241294	3006P-103ℛ	10k	241374	3006P-105ℛ	1M
41873	3006P-203	20k			

JAMECO ValuePro 1/4-Watt, 1/4" Square Trim Potentiometers Top Adjustment (±10%)

Bourns 3266W Series Value Equivalents

- 12 turns nominal
- Contact resis. variation: 3% or 3Ω max. (whichever is greater)
- Absolute min. resis.: 1% or 2Ω max. (whichever is greater)
- Power rating: 0.25W @ 70°C (300V max.)
- Insulation resistance: (500VDC) 1,000mΩ min.

★Web Code: JBQ

254642

Qty.	1	10	100	500
Price	$2.49	$2.25	$1.95	$1.75

Part No.	Cross Ref. No.	Ohms	Part No.	Cross Ref. No.	Ohms
254609	3266W-500	50	254677	3266W-103ℛ	10k
254617	3266W-101	100	254692	3266W-253	25k
254626	3266W-201ℛ	200	254706	3266W-503ℛ	50k
254633	3266W-501	500	254714	3266W-104ℛ	100k
254642	3266W-102ℛ	1k	254722	3266W-204ℛ	200k
254651	3266W-202ℛ	2k	254730	3266W-504	500k
254669	3266W-502ℛ	5k	254749	3266W-105ℛ	1M

Bourns® 1/4-Watt, 4mm Square SMD, Trim Potentiometers (±10%)

3314 Series Top Adjustment

854330

- Adjustment angle: 210˚
- End resistance: 1% or 2Ω max.
- Power rating: 0.25W @ 70˚C • Straight slot

Part No.	Product No.	Ohms	1	10	100
854330	3314J-1-502Eℛ	5K	$1.25	$1.09	$.95
854284	3314G-1-103Eℛ	10K	1.25	1.09	.95

Pocket Trim Potentiometer Adjustment Tool

- Glass-filled body
- Stainless steel blade

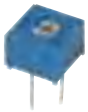
Part No.	Description	Size	1	10	100
153315	Trimmer tool ℛ	5.2"L	$1.75	$1.49	$1.25

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Trimming Cermet Potentiometers & Knobs

1/2-Watt, 1/4" Square, Single-Turn Cermet Potentiometers (±10%)

- Linear taper
- Insulation resistance: 500VDC 1000MΩ min.
- Contact res.: 1% or 3Ω
- Rotation life: 200 cycles
- Absolute min. res.: 1% or 2Ω
- Terminals: solderable pins
- Top adjustment: 240° nominal
- Wipe positioning: 50% nominal



★ Web Code: UDF

Cross Ref. Chart

Equivalent to:	
Bourns	3362P
Copal	CT-6P
Murata	PVC6
Vishay	76

Qty.	1	10	100	500
Price	$.75	$.65	$.55	$.45

3362P Series (Top Adjustment)

Part No.	Cross Ref. No.	Ohms	Part No.	Cross Ref. No.	Ohms
191644	3362P-200	20	182837	3362P-103ℛ	10k
189341	3362P-500	50	254002	3362P-203ℛ	20k
253965	3362P-101ℛ	100	254028	3362P-503ℛ	50k
253972	3362P-201	200	254036	3362P-104ℛ	100k
182810	3362P-501	500	182844	3362P-204	200k
253982	3362P-102ℛ	1k	254044	3362P-504ℛ	500k
182829	3362P-502ℛ	5k	254115	3362P-105	1M

3362W Series (Side Adjustment)

Part No.	Cross Ref. No.	Ohms	Part No.	Cross Ref. No.	Ohms
254140	3362W-101	100	254220	3362W-253	25k
254175	3362W-102ℛ	1k	254238	3362W-503	50k
254204	3362W-103ℛ	10k	254247	3362W-104ℛ	100k

3362H Series (Top Adjustment Sealed)

Part No.	Cross Ref. No.	Ohms	Part No.	Cross Ref. No.	Ohms
770363	3362H-102ℛ	1k	770371	3362H-103	10k

1/2-Watt, 3/8" Square, Multi-Turn Tri Top Adjustment (±10%) Potentiometers

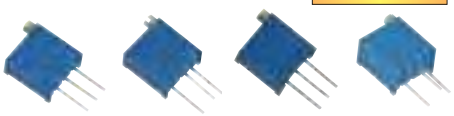
Bourns 3296 and 3299 Series Equivalents

- Resistance tolerance: ±10%
- 25 turns nominal
- Insulation resistance: (500VDC) 1,000MΩ min.
- Absolute min. resistance: 1% or 2Ω max.
- Contact resistance: 1% or 3Ω
- Power rating: 0.5W @ 70°C (300V max.)
- Temp range: -55°C to 150°C

Cross Ref. Chart

Equivalent to:	
Allen Bradley	E2B
Beckman	72PR
Bourns	3386P
Mepcopal	8038
Murata	3104P
Spectrol	63P
VRN	780-12P
Weston	840P

★ Web Code: TDF



3296W In-Line Pins | 3296Y Y-Layout | 3299W In-Line Pins | 3299Y Y-Layout

Price	3296W	3296Y	3299W	3299Y
1 pc.	$1.95	$1.95	$1.95	$2.25
10 pcs.	1.75	1.75	1.75	1.95
100 pcs.	1.49	1.49	1.49	1.49
500 pcs.	1.35	1.35	1.35	1.35

Value (Ω)	3296W Part No.	3296Y Part No.	3299W Part No.	3299Y Part No.
10Ω	—	240697ℛ	241058+	240872
20Ω	—	—	241066+	240881
50Ω	—	240717	—	240531
100Ω	853530ℛ	240725+	241083ℛ	—
200Ω	—	240734ℛ	241091	—
500Ω	853759ℛ	240742ℛ	241103+	240928
1kΩ	853556ℛ	240750+	241111+	191396
2kΩ	853652ℛ	240768+	241120+	240944
5kΩ	853775ℛ	240776+	241139ℛ	191425+
10kΩ	853572ℛ	240427ℛ	241146+	240602
20kΩ	853679ℛ	240435ℛ	238633	—
25kΩ	—	240806ℛ	241162+	240629
50kΩ	853791ℛ	240813+	241171+	240637
100kΩ	853599ℛ	240470ℛ	241189+	191409+
200kΩ	853695ℛ	—	854161ℛ	—
250kΩ	—	240830+	241197	241016ℛ
500kΩ	853812ℛ	—	238676	—
1MΩ	853610ℛ	240856	241219ℛ	—
2MΩ	—	240864	241227ℛ	—

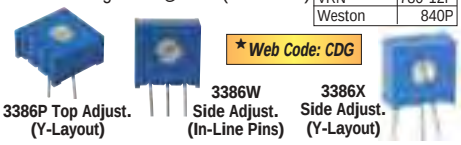
1/2-Watt, 3/8" Square, Single-Turn Trim Potentiometers

Bourns 3386 Series Equivalents

- Resis. tolerance: ±10%
- Insulation resis.: (500VDC) 1,000MΩ min.
- Absolute min. resis.: 2Ω max.
- Contact resis.variation: 2% or 3Ω
- Temp. range: -55°C to 125°C
- Power rating: 0.5W @ 85°C (300V max.)

Cross Ref. Chart

Equivalent to:	
Allen Bradley	E2B
Beckman	72PR
Bourns	3386P
Copal	CT6
Mepcopal	8038
Murata	3104P
Spectrol	63P
VRN	780-12P
Weston	840P



3386P Top Adjust. (Y-Layout) | 3386W Side Adjust. (In-Line Pins) | 3386X Side Adjust. (Y-Layout)

★ Web Code: CDG

Price	3386P	3386W	3386X
1 pc.	$1.15	$1.15	$1.15
10 pcs.	.95	.95	.95
100 pcs.	.79	.79	.79
500 pcs.	.69	.69	.69

Value (Ω)	3386P Part No.	3386W Part No.	3386X Part No.
50Ω	—	241381	—
100Ω	254297+	—	264612
200Ω	254300+	—	—
500Ω	43123	241412ℛ	264639
1kΩ	42964+	241429	—
2kΩ	43043+	241437	—
5kΩ	43078	241445+	264664ℛ
10kΩ	43001+	241454ℛ	264671+
20kΩ	43051+	241461	264680
25kΩ	254377ℛ	241470	264698
50kΩ	43107+	241488ℛ	264701ℛ
100kΩ	43027+	241497ℛ	264719
200kΩ	254407ℛ	241509	—
250kΩ	254414	241517	264735
300kΩ	43060	—	—
500kΩ	63212+	—	—
1MΩ	42981+	241533	264751
2MΩ	105216	—	—

JAMECO ValuePro

Instrumentation Knobs (1/4" Shaft Diameters)

JAMECO EXCLUSIVE

★ Web Code: EBD

Fig. 1 | Fig. 2 | Fig. 3 | Fig. 4 | Fig. 5 | Fig. 6 | Fig. 7 | Fig. 8 | Fig. 9 | Fig. 10 | Fig. 11 | Fig. 12 | Fig. 13 | Fig. 14 | Fig. 15 | Fig. 16 | Fig. 17 | Fig. 18

Part No.	Product No.	Body	Pointer	H" x Dia."	Fig.	1	10	100
265009	JK-902B	Black	White	.60 x .95	1	$.79	$.69	$.59
264998	JK-902Aℛ	Black	White	.69 x 1.31	1	.95	.79	.69
264990	JK-901Dℛ	Black/alum	White	.47 x .78	2	.89	.75	.65
264955	JK-901Cℛ	Black/alum	White	.61 x 1.06	2	.79	.69	.59
264946	JK-901B	Black/alum	White	.64 x 1.29	2	.95	.85	.75
264920	JK-901A	Black/alum	White	.79 x 1.77	2	1.49	1.35	1.09
264892	RN-113Aℛ	Black/alum	Numeric	.70 x 1.15	3	.95	.85	.75
264883	RN-112Aℛ	Black/alum	Numeric	.90 x 1.46	3	.95	.85	.75
264912	RN-114Aℛ	Black/alum	Numeric	.58 x 1.46	3	.95	.85	.75
102788	JK-903Cℛ	Black	White	.54 x 1.25	4	.69	.59	.49
104176	JK-902C	Black	White	.49 x .75	5	.95	.85	.75
202287	CP-Z1-M-Sℛ	Black/alum	White	.60 x .80	6	.79	.69	.59
136241	GKB-214ℛ	Black/alum	White	.52 x .54	7	.95	.79	.69
138393	41108-1ℛ	Black/alum	White	.56 x .85	7	1.19	1.05	.95
265077	JK-905Cℛ	Black/blue	White	.58 x .57	8	.95	.79	.69
265084	JK-905D	Black/green	White	.58 x .57	8	.95	.79	.69
265051	JK-905A ℛ	Black/red	White	.58 x .57	8	.95	.79	.69
265069	JK-905Bℛ	Black/yellow	White	.58 x .57	8	.95	.79	.69
265033	JK-904C	Black/blue	White	.47 x .78	9	.75	.75	.49
265018	JK-904Aℛ	Black/red	White	.47 x .78	9	.75	.59	.49
265025	JK-904B	Black/yellow	White	.47 x .78	9	.75	.59	.49

Part No.	Product No.	Body	Pointer	H" x Dia."	Fig.	1	10	100
265041	JK-904D	Black/green	White	.47 x .78	9	$.75	$.59	$.49
265122	JK-906Dℛ	Black	White	.58 x .61	10	.95	.79	.69
265261	CR-MS-5C5-T18*	Grey	Grey	.68 x .51	11	.49	.39	.35
265228	CR-MS-1C5-T18*	Grey	Red	.68 x .51	11	.49	.39	.35
264823	CPBTAA191AS6.4BK	Black/black	White	.79 x .77	11	.95	.85	.75
265244	CR-MS-3C5-T18	Gray	Blue	.68 x .51	11	.49	.39	.35
265236	CR-MS-2C5-T18	Gray	Yellow	.68 x .51	11	.49	.39	.35
290125	42008-1ℛ†	Silver	Silver	.500 x .625	12	1.95	1.75	1.55
162481	K5-1/4S	Chrome	Silver	.500 x .560	13	.95	.79	.69
162499	K5-1/4B	Black	White	.500 x .560	14	1.49	1.35	1.19
138482	KN031ℛ	Aluminum	Black	.610 x .650	15	1.95	1.75	1.55
138502	KN032ℛ	Aluminum	Black	.870 x .750	15	2.19	1.95	1.75
138511	KN033ℛ	Aluminum	Black	1.18 x .870	15	2.69	2.39	2.15
265156	JK-907A-BL	Gray/blue	Blue	.76 x 1.27	16	1.95	1.75	1.55
265148	JK-907A-YW	Gray/yellow	Yellow	.76 x 1.27	16	1.95	1.75	1.55
265181	JK-907B-BL	Gray/blue	Blue	.86 x .94	17	1.75	1.55	1.39
265164	JK-907B-RD	Gray/red	Red	.86 x .94	17	1.75	1.55	1.39
265172	JK-907B-YW	Gray/yellow	Yellow	.86 x .94	17	1.75	1.55	1.39
265210	JK-907C-BL	Gray/blue	Blue	.72 x .68	18	1.49	1.35	1.19
265201	JK-907C-YW	Gray/yellow	Yellow	.72 x .68	18	1.49	1.35	1.19

* For use with 1/4" knurled shaft † 1/8" shaft diameter

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

JAMECO ValuePro

High-Current Toroid Inductors

★Web Code: KBY

- Low radiation
- Low core loss
- V = vertical mount; H = horizontal mount
- High current capacity
- Operating temp.: -55°C to +105°C
- DC - DC converter, EMI filter applications
- For complete specs see datasheets, www.Jameco.com

Horizontal Vertical

J.W. Miller 2100 Series Value Equivalents

Qty.	1	10	100	500
Price	$1.25	$.99	$.75	$.59

Part No.	Cross Ref. No.	L (µH) @ 1kHz
371741	2101-V	10
371506	2101-H	10
371750	2102-V	12
371514	2102-H	12
371769	2103-V	15
371522	2103-H	15
371776	2104-V	18
371531	2104-H	18
371784	2105-V	22
371549	2105-H	22
371792	2106-V	27
371557	2106-H	27
371805	2107-V	33
371565	2107-H	33
371813	2108-V	39
371573	2108-H	39
371822	2109-V	47
371581	2109-H	47
371830	2110-V	56
371848	2111-V	68
371602	2111-H	68
371856	2112-V	100

Part No.	Cross Ref. No.	L (µH) @ 1kHz
371611	2112-H	100
371864	2113-V	120
371872	2114-V	150
371881	2115-V	180
371899	2116-V	220
371653	2116-H	220
371901	2117-V	270
371661	2117-H	270
371670	2118-H	330
371928	2119-V	390
371688	2119-H	390
371936	2120-V	470
371696	2120-H	470
371944	2121-V	560
371709	2121-H	560
371952	2122-V	680
371717	2122-H	680
371961	2123-V	820
371725	2123-H	820
371979	2124-V	1000
371733	2124-H	1000

J.W. Miller 2200 Series Value Equivalents

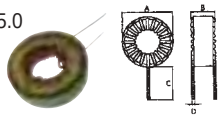
Qty.	1	10	100	500
Price	$1.49	$1.19	$.89	$.69

Part No.	Cross Ref. No.	L (µH) @ 1kHz
371021	2201-H	10
371274	2202-V	12
371282	2203-V	15
371047	2203-H	15
371303	2205-V	22
371063	2205-H	22
371311	2206-V	27
371071	2206-H	27
371320	2207-V	33
371080	2207-H	33
371338	2208-V	39
371098	2208-H	39
371346	2209-V	47
371101	2209-H	47
371119	2210-H	56
371354	2210-V	56
371362	2211-V	68
371127	2211-H	68
371371	2212-V	100
371135	2212-H	100
371389	2213-V	120
371143	2213-H	120

Part No.	Cross Ref. No.	L (µH) @ 1kHz
371397	2214-V	150
371151	2214-H	150
371400	2215-V	180
371160	2215-H	180
371418	2216-V	220
371426	2217-V	270
371186	2217-H	270
371434	2218-V	330
371194	2218-H	330
371442	2219-V	390
371207	2219-H	390
371451	2220-V	470
371215	2220-H	470
371469	2221-V	560
371223	2221-H	560
371477	2222-V	680
371231	2222-H	680
371485	2223-V	820
371240	2223-H	820
371493	2224-V	1000
371258	2224-H	1000

J.W. Miller 5700 Series Value Equivalents

- Size: A = 22.22mm max.; B = 11.09mm max. C = 15.0 ±1.0mm; D = 1.2±0.5mm
- High current capacity
- Low radiation
- Low core loss
- See page 129 for EMI suppression cores



Qty.	1	10	100	500
Price	$1.95	$1.59	$1.25	$.95

Part No.	Cross Ref. No.	L (µH) @ 1kHz
208259	5701	10
208266	5702	25
208311	5711	50
208303	5707	75

Part No.	Cross Ref. No.	L (µH) @ 1kHz
208274	5703	125
208320	5712	150
208283	5704	275
208292	5705	450

J.W. Miller 2300 Series Value Equivalents

Qty.	1	10	100	500
Price	$1.75	$1.39	$1.09	$.79

Part No.	Cross Ref. No.	L (µH) @ 1kHz
386901	2301-V	10
386361	2301-H	10
386935	2302-V	12
386396	2302-H	12
386951	2303-V	15
386425	2303-H	15
386978	2304-V	18
387006	2305-V	22
386468	2305-H	22
387022	2306-V	27
386484	2306-H	27
386505	2307-H	33
387065	2308-V	39
386521	2308-H	39
387090	2309-V	47
386548	2309-H	47
387111	2310-V	56
386564	2310-H	56
387137	2311-V	68
386581	2311-H	68
386601	2312-H	100

Part No.	Cross Ref. No.	L (µH) @ 1kHz
387188	2313-V	120
386636	2313-H	120
387209	2314-V	150
386652	2314-H	150
387233	2315-V	180
386679	2315-H	180
387268	2316-V	220
386695	2316-H	220
387284	2317-V	270
386724	2317-H	270
387330	2319-V	390
386767	2319-H	390
387364	2320-V	470
386783	2320-H	470
387381	2321-V	560
386812	2321-H	560
387410	2322-V	680
387436	2323-V	820
386855	2323-H	820
388041	2324-V	1000
386880	2324-H	1000

JAMECO ValuePro

Chip Inductors (SMD)

- Ceramic core, wire wound for superior reliability
- High self-resonant frequency
- Stable electrical characteristics
- Flat top surface for automated pick and place

PM0805/ PM1008

PM0805 Series Equivalents

Qty.	1	10	100	500
Price	$.25	$.19	$.17	$.15

Part No.	Cross Ref. No.	L (nH)
663592	0805-2N2M	2.2
663605	0805-3N3M	3.3
663613	0805-6N8M	6.8
663621	0805-8N2M	8.2
663630	0805-12NM	12
663648	0805-18NM	18
663656	0805-27NM	27

Part No.	Cross Ref. No.	L (nH)
663664	0805-33NM	33
663672	0805-39NM	39
663681	0805-47NM	47
663699	0805-56NK	56
663701	0805-68NK	68
663710	0805-82NK	82

JAMECO ValuePro

Chip Inductors (SMD) (Continued)

PM1008 Series Equivalents

Qty.	1	10	100	500
Price	$.25	$.19	$.17	$.15

Part No.	Cross Ref. No.	L (nH)
663736	1008-10NM	10
663744	1008-12NM	12
663752	1008-15NM	15
663761	1008-18NM	18
663779	1008-22NM	22
663787	1008-27NM	27
663795	1008-33NM	33
663808	1008-39NM	39
663816	1008-47NM	47
663824	1008-56NK	56
663832	1008-68NK	68
663841	1008-82NK	82

Part No.	Cross Ref. No.	L (nH)
663867	1008-R12K	120
663875	1008-R15K	150
663883	1008-R18K	180
663891	1008-R22K	220
663904	1008-R27K	270
663912	1008-R33K	330
663921	1008-R39K	390
663939	1008-2R7K	2700
663947	1008-3R3K	3300
663955	1008-3R9K	3900
663963	1008-4R7K	4700

PM1210 Series Equivalents

Qty.	1	10	100	500
Price	$.25	$.19	$.17	$.15

Part No.	Cross Ref. No.	L (µH)
663971	1210-1R0J	1.0
663980	1210-1R2J	1.2
663998	1210-1R5J	1.5
664000	1210-1R8J	1.8
664018	1210-2R2J	2.2
664026	1210-2R7J	2.7
664034	1210-3R3J	3.3
664042	1210-3R9J	3.9
664051	1210-4R7J	4.7
664069	1210-5R6J	5.6
664077	1210-6R8J	6.8
664085	1210-8R2J	8.2
664093	1210-100J	10
664106	1210-120J	12

Part No.	Cross Ref. No.	L (µH)
664114	1210-150J	15
664122	1210-180J	18
664149	1210-270J	27
664157	1210-330J	33
664165	1210-390J	39
664173	1210-470J	47
664181	1210-560J	56
664190	1210-680J	68
664202	1210-820J	82
664211	1210-101J	100
664229	1210-121J	120
664237	1210-151J	150
664245	1210-181J	180
664253	1210-221J	220

PM1812 Series Equivalents

Qty.	1	1	100	500
Price	$.29	$.25	$.19	$.17

Part No.	Cross Ref. No.	L (µH)
643014	1812-R10K	0.10
643022	1812-R12K	0.12
643031	1812-R15K	0.15
643049	1812-R18K	0.18
643057	1812-R22K	0.22
643065	1812-R27K	0.27
643073	1812-R33K	0.33
643081	1812-R39K	0.39
643090	1812-R47K	0.47
643102	1812-R56K	0.56
643111	1812-R68K	0.68
643129	1812-R82K	0.82
643153	1812-1R5J	1.5
643161	1812-1R8J	1.8
643188	1812-2R7J	2.7
643196	1812-3R3J	3.3
643209	1812-3R9J	3.9
643217	1812-4R7J	4.7
643225	1812-5R6J	5.6
1864812	1812-6R85J*	6.8
643241	1812-8R2J	8.2
643268	1812-120J	12

Part No.	Cross Ref. No.	L (µH)
643276	1812-150J	15
643284	1812-180J	18
643292	1812-220J	22
643305	1812-270J	27
643313	1812-330J	33
643321	1812-390J	39
643330	1812-470J	47
643348	1812-560J	56
643356	1812-680J	68
643364	1812-820J	82
643372	1812-101J	100
643381	1812-121J	120
643399	1812-151J	150
643401	1812-181J	180
643410	1812-221J	220
643436	1812-331J	330
643444	1812-391J	390
643452	1812-471J	470
643461	1812-561J	560
643479	1812-681J	680
643487	1812-821J	820
643495	1812-102J	1000

* Murata

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Passives

TRIAD Inductor

- DC current: 5.5A • DCR max.: 0.049Ω
- Inductance: 4.4mH ±10%

Part No.	Product No.	1	10	100	500
627479	CME375-1	$7.95	$7.49	$6.95	$6.49

1206 Chip Ferrite Beads

For EMI Filtering

- 26Ω Impedance ±25% @ 100MHz
- Operating temp: -55˚ to 125˚C
- DC resistance: 0.05Ω

Order in multiples of 10

Part No.	Mfr. Part No.	Current	10	100	500
1845371	BLM31AJ260SN1ℛ	500mA ..	$.15	$.12	$.09

JAMECO ValuePro Epoxy Conformal Coated RF Chokes

- Operating temp.: -55°C to +105°C • Low DCR
- Dielectric strength: 500Vrms • Low cost
- Color bands identification

★Web Code: WBG

J.W. Miller 77F Series Equivalents

- High current and self-resonant frequency
- Overall length: 2.41" • Lead length: 1.0"
- Body length: 0.41" • Body diameter: 0.157"

Order in multiples of 10

Qty.	10	100	500
Price	$.11	$.09	$.07

Part No.	Cross Ref. No.	L (µH)	Part No.	Cross Ref. No.	L (µH)
371995	77F6R8K*	6.8	372058	77F101J	100
372007	77F100K*	10	372066	77F221J	220
372015	77F270K*	27	372074	77F331J	330
372023	77F330J	33	372082	77F391J	390
372031	77F470J	47	372091	77F102J	1000
372040	77F820J	82			

*L (µH) ±10%

J.W. Miller 78F Series Equivalents

- High Q and self-resonant frequency
- Overall length: 2.28" • Lead length: 1.0"
- Body diameter: 0.11" • Body length: 0.28"

Order in multiples of 10

Qty.1	10	100	500
Price	$.11	$.09	$.07

Part No.	Cross Ref. No.	L (µH)	Part No.	Cross Ref. No.	L (µH)
372103	78FR68K*	0.68	372197	78F220J	22
372111	78F1R0K*	1.0	372200	78F270J	27
372120	78F1R8K*	1.8	372218	78F330J	33
372138	78F2R7K*	2.7	372226	78F390J	39
372146	78F3R3J	3.3	372234	78F470K	47
372154	78F4R7J	4.7	372242	78F101J	100
372162	78F8R2J	8.2	372251	78F121J	120
372171	78F100J	10	372269	78F221J	220
372189	78F120J	12	372277	78F471J	470

Epoxy Conformal Coated Chokes

- Operating temperature: -25°C to +85°C
- Tolerance: 5%

★Web Code: WBG

Order in multiples of 10

Qty.	10	100	500
Price	$.11	$.09	$.07

Part No.	Cross Ref. No.	L (µH)	Part No.	Cross Ref. No.	L (µH)
208143	CEC-100J	10	208207	CEC-221J	220
208151	CEC-270J	27	208215	CEC-331J	330
208160	CEC-330J	33	208223	CEC-471J	470
208186	CEC-470J	47	208231	CEC-821J	820
208194	CEC-101J	100	208240	CEC-102J	1000

JAMECO ValuePro Conformal Coated RF Chokes

J.W. Miller 5300 Series Value Equivalents

- High current & self-resonant frequency • Low DCR
- Epoxy coated to protect winding from harsh environments • Low cost

★Web Code: MBY

Qty.	1	10	100	500
Price	$.79	$.69	$.59	$.49

Part No.	Cross Ref. No.	L (µH)	Part No.	Cross Ref. No.	L (µH)
644332	5300-03ℛ	1.5	642476	5300-19ℛ	33
644341	5300-10ℛ	5.6	642492	5300-25ℛ	100
644367	5300-13ℛ	10	642530	5300-33ℛ	470
644375	5300-17ℛ	22			

JAMECO ValuePro High Current Axial RF Chokes

- High current capacity • Low DCR
- Ferrite bobbin core
- Test frequency: 1kHz

JAMECO EXCLUSIVE

★Web Code: BCG

J.W. Miller 5800 Series Value Equivalents

Qty.	1	10	100	500
Price	$.85	$.69	$.55	$.39

Part No.	Cross Ref. No.	L (µH)	Part No.	Cross Ref. No.	L (µH)
642548	5800-3R9ℛ	3.9	642652	5800-271ℛ	270
642556	5800-8R2ℛ	8.2	642661	5800-331ℛ	330
642564	5800-100ℛ	10	642679	5800-391ℛ	390
642572	5800-470ℛ	47	642687	5800-471ℛ	470
642581	5800-560ℛ	56	642695	5800-102ℛ	1000
642599	5800-820ℛ	82	642708	5800-152ℛ	1500
642601	5800-101ℛ	100	642716	5800-222ℛ	2200
642610	5800-121ℛ	120	642724	5800-472ℛ	4700
642628	5800-151ℛ	150	642732	5800-682ℛ	6800
642636	5800-181ℛ	180	642741	5800-103ℛ	10000
642644	5800-221ℛ	220			

J.W. Miller 5900 Series Value Equivalents

Qty.	1	10	100	500
Price	$1.25	$.99	$.79	$.59

Part No.	Cross Ref. No.	L (µH)	Part No.	Cross Ref. No.	L (µH)
642759	5900-100ℛ	10	642847	5900-331ℛ	330
642767	5900-220ℛ	22	642855	5900-391ℛ	390
642775	5900-470ℛ	47	642863	5900-471ℛ	470
642783	5900-560ℛ	56	642871	5900-681ℛ	680
642791	5900-101ℛ	100	642880	5900-102ℛ	1000
642804	5900-121ℛ	120	642919	5900-682ℛ	6800
642812	5900-151ℛ	150	642901	5900-472ℛ	4700
642821	5900-221ℛ	220	642927	5900-103ℛ	10000
642839	5900-271	270			

JAMECO ValuePro Hash RF Chokes

J.W. Miller 5200 Series Value Equivalents

- High current capacity • Varnish coated
- Ideal for use as EMI filter, output choke smoothing coil
- Low DCR

Qty.	1	10	100	500
Price	$1.09	$.89	$.69	$.49

Part No.	Cross Ref. No.	L (µH)	Part No.	Cross Ref. No.	L (µH)
642396	5230ℛ	4	642417	5254ℛ	250
642409	5240ℛ	40	642425	5256ℛ	500
681070	5252ℛ	125	642433	5258ℛ	1000

JAMECO ValuePro Axial Leaded RF Chokes

- Inductive tolerance: 10%
- Operating temp.: -55°C to +125°C
- Overall length: 3.6" max.
- Lead length: 1.5" max.
- Body length: 0.77" max. • Body dia.: 0.3" max.

★Web Code: XCF

J.W. Miller 4600 Series Value Equivalents

Qty.	1	10	100	500
Price	$.95	$.75	$.59	$.45

Part No.	Cross Ref. No.	L (µH)	Part No.	Cross Ref. No.	L (µH)
208071	4604	1.5	642337	4624ℛ	15
208080	4606	2.4	642345	4626ℛ	24
208101	4609	5.5	642353	4629ℛ	55
208119	4610	6.2	642388	4632ℛ	100
208127	4611	8.2			

JAMECO ValuePro Molded RF Chokes

- Dielectric strength: 1000Vrms
- Injection molded to protect from extreme environment
- High Q and high reliability

★Web Code: PBY

J.W. Miller 9230 Series Equivalents

Qty.	1	100	100
Price	$.75	$.65	$.45

Part No.	Cross Ref. No.	L (µH)	Part No.	Cross Ref. No.	L (µH)
372285	9230-94	0.10	372373	9230-34	3.9
372293	9230-00	0.15	372381	9230-36	4.7
372306	9230-04	0.22	372390	9230-44	10
372314	9230-10	0.39	372402	9230-52	22
372322	9230-12	0.47	372411	9230-56	33
372331	9230-14	0.56	372429	9230-64	68
372349	9230-16	0.68	372437	9230-68	100
372357	9230-20	1.0	372445	9230-70	120
372365	9230-32	3.3			

J.W. Miller 9250 Series Equivalents

Qty.	1	10	100	500
Price	$1.19	$.89	$.69	$.55

Part No.	Cross Ref. No.	L (µH)	Part No.	Cross Ref. No.	L (µH)
372453	9250-102	1.0	372509	9250-473	47
372461	9250-222	2.2	372517	9250-104	100
372470	9250-472	4.7	372525	9250-224	220
372488	9250-103	10	372533	9250-474	470
372496	9250-223	22	372550	9250-225	2200

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ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

JAMECO ValuePro

Hook-Up Wire – UL1007 (Single Rated) UL1007 & UL1569 (Dual Rated, UL/CSA)

- Applications: Interconnection circuits, wiring of computer and data processing equipment, applications and automotive
- Tinned copper • PVC insulation • Stranded • **Sold in 100' rolls**

NEW MARKED IN PINK

★Web Code: JAS

Single Rated (UL1007): -40˚ to 80˚: 300V peak

Dual Rated (UL1007 & UL1569): -40˚ to 105˚C: 600V peak

Appliance Wiring Material (AWM) is UL recognized covering of insulated wire & cable intended for internal wiring of appliances & equipment.

Manufacturer	AWG	Stranding	UL1007	UL1569	Black P/N	Red P/N	White P/N	Green P/N	Yellow P/N	Blue P/N	1	5	10
ValuePro	28	7 x 36	x	x	734611ℛ	734603	734610	734606	734605ℛ	734614	$6.95	$6.49	$5.95
ValuePro	26	7 x 34	x	x	734511ℛ	734503ℛ	734510	734506	734505	734514	7.95	7.29	6.49
ValuePro	24	7 x 32	x	x	734411	734403ℛ	734410ℛ	734406	734405	734414	8.95	7.95	6.95
ValuePro	22	7 x 30	x		126085ℛ	126034ℛ	126077ℛ	310852ℛ	310878ℛ	310886ℛ	6.95	5.95	4.95
ValuePro	22	7 x 30	x	x	734311ℛ	734303	734310ℛ	734306ℛ	734305	734314	9.95	8.95	7.95
ValuePro	20	10 x 30	x		125840ℛ	125795ℛ	125831+	310894ℛ	310915ℛ	310922	9.95	8.95	7.95
ValuePro	20	10 x 30	x	x	734211ℛ	734203	734210ℛ	734206ℛ	734205ℛ	734214ℛ	12.95	11.95	10.95
ValuePro	18	16 x 30	x		125787ℛ	125736ℛ	125752ℛ	310932ℛ	310949+	310958ℛ	13.95	12.95	11.95
ValuePro	18	16 x 30	x	x	734111	734103ℛ	734110ℛ	734106ℛ	734105ℛ	734114	16.95	15.49	13.95
ValuePro	16	26 x 30	x	x	734011ℛ	734003ℛ	734010ℛ	734006	734005	734014	19.95	17.95	15.95

Solid Hook-Up Wire – 22 AWG

★Web Code: PAF

- Temperature range: -55°C to +105°C
- Passes UL VW-1 flame test • MIL-W-16878D type B
- For use with breadboards such as the JE20 series, pg 168

100 Foot		Pricing	
Part No.	Color	1	5
36768	Blueℛ	$6.95	$6.29
36792	Blackℛ	6.95	6.29
36822	Greenℛ	6.95	6.29
36856	Redℛ	6.95	6.29
36881	Whiteℛ	6.95	6.29
36920	Yellowℛ	6.95	6.29

1000 Foot		Pricing	
Part No.	Color	1	5
36776	Blueℛ	$59.95	$54.95
36805	Blackℛ	59.95	54.95
36840	Greenℛ	59.95	54.95
36864	Redℛ	59.95	54.95
36899	Whiteℛ	59.95	54.95
36928	Yellowℛ	59.95	54.95

JAMECO ValuePro

1/4 Lb. Magnet Wire

Magnetic wire is perfect for custom winding applications: coils, inductors, transformers, motors, balasts, relays, speakers and timers.

- Solid bare copper conductor • Solderable @ 806˚F/430˚C
- Temp range: -22˚ to 266˚F, -30˚ to 130˚C
- Polyurethane/Polyamide (nylon) insulation
- Approvals: MIL JW-1177/42, MW 80-C, Class C

NEW MARKED IN PINK

Part No.	Description	Nom. O.D	Length (ft.)	1	5	25
2098371	16 AWGℛ	.0524"	32	$5.49	$4.95	$4.49
2098380	18 AWGℛ	.0418"	51	5.75	5.25	4.75
2098398	20 AWGℛ	.0334"	81	5.95	5.49	4.95
2098401	22 AWGℛ	.0265"	129	6.49	5.95	5.49
2098419	24 AWGℛ	.0213"	205	6.95	6.49	5.95

Kynar™ Wire-Wrap Wire – 30 AWG

★Web Code: NAC

- Polyvindene fluoride insulation • Used for prototyping
- Silver plated copper (solid conductor) • UL 1423
- Temperature: -40°C to +125°C • Passes UL VW-1 flame test
- Wire wrap tools, pg 159 • See pg 18 for sockets

100 Foot Reel		Pricing	
Part No.	Color	1	5
22542	Blue ℛ	$6.95	$6.29
22577	Black ℛ	6.95	6.29
22631	Red ℛ	6.95	6.29
22665	White ℛ	6.95	6.29
22606	Green ℛ	6.95	6.29
22700	Yellow ℛ	6.95	6.29

1000 Foot Reel		Pricing	
Part No.	Color	1	5
22551	Blueℛ	$49.95	$44.95
22585	Blackℛ	49.95	44.95
22649	Redℛ	49.95	44.95
22673	Whiteℛ	49.95	44.95
22614	Greenℛ	49.95	44.95
22702	Yellowℛ	49.95	44.95

BELDEN

Bonded-Pair Cable Prep Tool

The bonded-pair cable preparation tool makes it faster and easier to prepare cables for connector termination. Ideal for use with Belden's IBDN's DataTwist® 350 bonded pair cables, providing special features that help separate twisted pairs. It can be used to prepare any unbonded-pair cable for installation.

Part No.	Mfr. Part No.	Description	1	5
1941241	1797B009ℛ	Bonded-pair cable prep tool	$10.95	$9.95

Bus Bar Hook-Up Wire

★Web Code: BBW

BELDEN JAMECO ValuePro

- Solid soft drawn annealed bare copper
- Tinned & enameled
- Single conductor
- **Sold in 100' rolls**
- Approvals: QQ-W-343 type S, Mil-W-3861 type S, ASTM B-33, UL, CAS, OSHA

NEW MARKED IN PINK

Part No.	Mfr.	Gauge	O.D (in.)	Amps	1	5	10
2098478	ValueProℛ	24 AWG	0.020	5	$9.95	$8.95	$7.95
734169	Beldenℛ ✪	24 AWG	0.020	5	22.95	20.95	18.95
2098486	ValueProℛ	22 AWG	0.025	7	11.95	10.95	9.95
2098494	ValueProℛ	20 AWG	0.032	8.5	13.95	12.95	11.95
734165	Beldenℛ ✪	20 AWG	0.032	8.5	29.95	27.95	25.95
2098507	ValueProℛ	18 AWG	0.040	16	16.95	14.95	12.95
2098515	ValueProℛ	16 AWG	0.061	19	19.95	17.95	15.95

✪ Blue Part No. = Limited Quantity Available

JAMECO ValuePro

Twisted Paired Cable – 24 AWG

- PVC insulation • Reduced EMI
- Use for hook-up wire • 80°C
- Stranded tinned wire (7 x 32) • 300 V

★Web Code: EBC

100 Foot Reel		Pricing	
Part No.	Color	1	5
173164	Black/whiteℛ	$8.95	$7.95
105912	Grn/whiteℛ	8.95	7.95
173148	Red/whiteℛ	8.95	7.95

1000 Foot Reel		Pricing	
Part No.	Color	1	5
173172	Black/whiteℛ	$79.95	$69.95
105807	Grn/whiteℛ	79.95	69.95
173156	Red/whiteℛ	79.95	69.95

JAMECO ValuePro

Modular Telephone Cable – 28 AWG

- Color coded conductors
- Flat modular cable • Gray
- 7 x 43 stranded • PVC jacket

★Web Code: LCG

JAMECO EXCLUSIVE

Part No.	Cross Ref. No.	Conductors	Length (ft.)	1	5	10
644666	300-840SL-100	4	100	$5.95	$5.49	$4.95
644674	300-840SL-1000	4	1000	49.95	44.95	39.95
644691	300-860SL-100	6	100	8.95	7.95	6.95
644703	300-860SL-1000	6	1000	69.95	64.95	59.95
644720	300-880SL-100	8	100	9.95	8.95	7.95
644738	300-880SL-1000	8	1000	89.95	84.95	79.95

BELDEN

Composite Data, Audio, Video Security and Control Cable

Two RG6 18 AWG solid bare copper conductors and Two 4-pair UTP 24 AWG solid bare copper conductors

- Gas injected FPR insulation coax cable, polyolefin insulation CAT5e cable and F-R PVC jackets
- Banana Peel™ jacketless cable
- Component nominal outer diameter: 200"

Part No.	Mfr. Part No.	Description	Color	Price
734164	7913S-500ℛ	500' reel	Black	$299.95
234162	7913S-1000+	1000' reel	Black	395.95

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Coaxial & Multi-Conductor Cable

Due to extraordinary copper market price fluctuations, cable and wire prices are subject to change.

3 LEVELS OF SAVINGS: NAME BRANDS | HOUSE BRANDS | FACTORY OVERRUN

Coaxial Cable

BELDEN — JAMECO ValuePro

- Color: black
- PVC jacket

✪ Blue Part No. = Limited Quantity Available

★ Web Code: CLC

Part No.	*Mfr.	Product No.	Fig.	Length	AWG	Type	Nom. Imp (Ω)	Insul.	Bare Copper	Braid Shield	Pricing 1	Pricing 5
233269	BDN	9116 010100	7	100' Reel	18 Solid	Series 6	75	B	0.040"	60 [3]	$12.95	$11.95
232733	BDN	1189A 010100	6	100' Reel	18 Solid	Series 6	75	B	0.040"	60/40 [2]	14.95	13.95
734053	BDN	1189A 010U500ℛ	6	500' Unreel	18 Solid	Series 6	75	B	0.040"	60/40 [2]	64.95	59.95
734100	BDN	1694A 010100ℛ ✪	4	100' Reel	18 Solid	RG6	75	B	0.040"	95 [1]	59.95	54.95
732751	BDN	8214 010100ℛ	1	100' Reel	11 Stranded	RG8/U	50	A	0.108"	97	169.95	155.95
732769	BDN	8214 010500ℛ	1	500' Reel	11 Stranded	RG8/U	50	A	0.108"	97	599.95	579.95
232776	BDN	8214 0101000+	1	1000' Reel	11 Stranded	RG8/U	50	A	0.108"	97	699.95	679.95
732865	BDN	8237 0101000ℛ	1	1000' Reel	13 Stranded	RG8/U	52	A	0.085"	97	999.95	899.95
234254	BDN	9258 010100	1	100' Reel	16 Stranded	RG8/X	50	A	0.058"	95	39.95	35.95
734259	BDN	9258 010U500ℛ	1	500' Unreel	16 Stranded	RG8/X	50	A	0.058"	95	229.95	219.95
734258	BDN	9258 010U1000ℛ	1	1000' Unreel	16 Stranded	RG8/X	50	A	0.058"	95	399.95	389.95
734176	BDN	8240 010U500ℛ	2	500' Unreel	20 Solid	RG58A/U	51.5	A	0.032"	95	159.95	149.95
232813	BDN	8219 010100	3	100' Reel	20 Stranded	RG58A/U	53.5	A	0.037"	96	34.95	33.95
232830	BDN	8219 0101000	3	1000' Reel	20 Stranded	RG58A/U	53.5	A	0.037"	96	299.95	269.95
232872	BDN	8240 010100	2	100' Reel	20 Solid	RG58A/U	51.5	A	0.032"	95	29.95	26.95
644754	JVP	RG58/U-100	2	100' Reel	20 Solid	RG58/U	50	A	0.015"	38	14.95	13.95
644762	JVP	RG58/U-1000 ✪	2	1000' Reel	20 Solid	RG58/U	50	A	0.015"	38	109.95	99.95
234158	BDN	543945 010100	5	100' Reel	20 Solid	RG59/U	75	C	0.145"	95	18.95	16.95
234086	BDN	1505A 010100	4	100' Reel	20 Solid	RG59/U	75	B	0.032"	98 [1]	39.95	35.95
232961	BDN	8281 010100	1	100' Reel	20 Solid	RG59/U	75	A	0.031"	98	69.95	66.95
734161	BDN	543945 010500ℛ	5	500' Reel	20 Solid	RG59/U	75	C	0.145"	95	89.95	79.95
732980	BDN	8281 010500ℛ	1	500' Reel	20 Solid	RG59/U	75	A	0.031"	98	449.95	429.95
734088	BDN	1505A 0101000ℛ	4	1000' Reel	20 Solid	RG59/U	75	B	0.032"	98 [1]	349.95	339.95
732988	BDN	8281 0101000+	1	1000' Reel	20 Solid	RG59/U	75	A	0.031"	98	899.95	849.95
644797	JVP	RG59/U-100	2	100' Reel	22 Solid	RG59/U	75	A	0.005"	31	12.95	11.95
644800	JVP	RG59/U-1000	2	1000' Reel	22 Solid	RG59/U	75	A	0.005"	31	79.95	72.95
732902	BDN	8241 010100ℛ	1	100' Reel	23 Solid	RG59/U	75	A	0.023"	95	44.95	42.95
232653	BDN	9259 010100	1	100' Reel	22 Stranded	RG59/U	75	A	0.030"	95	39.95	35.95
734071	BDN	9259 010U500ℛ	1	500' Unreel	22 Stranded	RG59/U	75	A	0.030"	95	199.95	189.95
734070	BDN	9259 010U1000ℛ	1	1000' Unreel	22 Stranded	RG59/U	75	A	0.030"	95	379.95	359.95
644818	JVP	RG174/U-100	3	100' Reel	26 Stranded	RG174/U	50	A	0.020"	98	19.95	18.95
732785	BDN	8216 010100ℛ	2	100' Reel	26 Stranded	RG174/U	50	A	0.019"	90	39.95	36.95
644826	JVP	RG174/U-1000	3	1000' Reel	26 Stranded	RG174/U	50	A	0.020"	98	179.95	169.95
234135	BDN	8218 010U100	2	100' Reel	27 Stranded	Video	75	A	0.017"	93	39.95	35.95
734173	BDN	8218 0101000ℛ	2	1000' Reel	27 Stranded	Video	75	A	0.017"	93	349.95	339.95

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7

A = Polyethylene
B = Gas Injected Foam HDPE
C = Polyolefin
1 = With DuoFoil shield
2 = Duobond IV shield
3 = Duobond II + Aluminum Braid Shield

Multi-Conductor Cable

BELDEN — JAMECO ValuePro

✪ Blue Part No. = Limited Quantity Available

★ Web Code: MCC

Part No.	Mfr.	Product No.	Fig.	AWG (stranded)	# of Cond.	Length	Jacket	Wire Color	Insul.	Nom. O.D.	Pricing 1	Pricing 5
732996	BDN	8442 060100ℛ	1	22 [2]	2	100' Reel	Chrome/PVC	Black, Red	A	0.170"	$29.95	$26.95
733008	BDN	8442 060500ℛ	1	22 [2]	2	500' Reel	Chrome/PVC	Black, Red	A	0.170"	109.95	99.95
734054	BDN	8442 060U1000ℛ	1	22 [2]	2	1000' Unreel	Chrome/PVC	Black, Red	A	0.170"	199.95	189.95
733024	BDN	8443 060100ℛ	2	22 [2]	3	100' Reel	Chrome/PVC	Black, Red, Green	A	0.172"	34.95	32.95
733032	BDN	8443 060500ℛ	2	22 [2]	3	500' Reel	Chrome/PVC	Black, Red, Green	A	0.172"	139.95	135.95
733059	BDN	8444 060100ℛ	3	22 [2]	4	100' Reel	Chrome/PVC	Blk, Red, Wh, Grn	A	0.185"	44.95	42.95
733067	BDN	8444 060500ℛ ✪	3	22 [2]	4	500' Reel	Chrome/PVC	Blk, Red, Wh, Grn	A	0.185"	179.95	169.95
733083	BDN	8445 060100ℛ	4	22 [2]	5	100' Reel	Chrome/PVC	Blk, Red, Wh, Grn, Brn	A	0.194"	54.95	49.95
733104	BDN	8445 0601000ℛ	4	22 [2]	5	1000' Reel	Chrome/PVC	Blk, Red, Wh, Grn, Brn	A	0.194"	349.95	339.95
733201	BDN	8770 060100ℛ	5	18/20 drain wire [1]	3	100' Reel	Chrome/PVC	Black, Red, Clear	B	0.246"	59.95	57.95
733227	BDN	8770 0601000ℛ	5	18/20 drain wire [1]	3	1000' Reel	Chrome/PVC	Black, Red, Clear	B	0.246"	599.95	579.95
733235	BDN	8771 060100ℛ	5	22/22 drain wire [1]	3	100' Reel	Chrome/PVC	Black, Red, Clear	B	0.199"	39.95	37.95
644383	JVP	SC4-25ℛ	6	24 drain wire [3]	4	25' Reel	Gray/PVC	Multi-Colored	A	0.200"	6.95	6.25
644391	JVP	SC4-100ℛ	6	24 drain wire [3]	4	100' Reel	Gray/PVC	Multi-Colored	A	0.200"	24.95	22.49
644404	JVP	SC4-1000ℛ	6	24 drain wire [3]	4	1000' Reel	Gray/PVC	Multi-Colored	A	0.200"	179.95	169.95
644412	JVP	SC-925ℛ	6	24 drain wire [3]	9	25' Unreel	Gray/PVC	Multi-Colored	A	0.230"	14.95	12.95
644421	JVP	SC9-100ℛ	6	24 drain wire [3]	9	100' Reel	Gray/PVC	Multi-Colored	A	0.230"	44.95	39.95
644439	JVP	SC9-1000ℛ	6	24 drain wire [3]	9	1000' Reel	Gray/PVC	Multi-Colored	A	0.230"	349.95	329.95
644447	JVP	SC15-25ℛ	6	24 drain wire [3]	15	25' Unreel	Gray/PVC	Multi-Colored	A	0.280"	24.95	22.95
644455	JVP	SC15-100ℛ	6	24 drain wire [3]	15	100' Reel	Gray/PVC	Multi-Colored	A	0.280"	49.95	44.95
644463	JVP	SC15-1000ℛ	6	24 drain wire [3]	15	1000' Reel	Gray/PVC	Multi-Colored	A	0.280"	399.95	379.95
644471	JVP	SC25-25ℛ	6	24 drain wire [3]	25	25' Unreel	Gray/PVC	Multi-Colored	A	0.370"	29.95	26.95
644480	JVP	SC25-100ℛ	6	24 drain wire [3]	25	100' Reel	Gray/PVC	Multi-Colored	A	0.370"	89.95	85.95
2006377	JVP	SC25-500ℛ	6	24 drain wire [3]	25	500' Unreel	Gray/PVC	Multi-Colored	A	0.370"	399.95	379.95

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

1 = Overall Beldfoil Shield
2 = Unshielded
3 = 100 Aluminum Mylar Shield
A = PVC B = Polyethylene
Blk = Black Brn = Brown
Grn = Green Wh = White

* BDN = Belden | JVP = Jameco ValuePro

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

BELDEN

Paired Cable

★Web Code: HCS

Part No.	Product No.	Fig.	AWG/Drain Wire	# of Pairs	Length	Jacket	Wire Color	Insul.	Pricing 1	Pricing 5
233171	8720 060100 +	4	14 / 16	1	100' Reel	Chrome/PVC	Black/Clear	B	$79.95	$69.95
733190	8720 060500ℛ	4	14 / 16	1	500' Reel	Chrome/PVC	Black/Clear	B	399.95	369.95
734066	8720 060U500ℛ	4	14 / 16	1	500' Unreel	Chrome/PVC	Black/Clear	B	399.95	369.95
233146	8714 060100 +	4	16 / 18	1	100' Reel	Chrome/PVC	Black/Clear	B	69.95	63.95
734065	8719 060U500ℛ	4	16 / 18	1	500' Unreel	Chrome/PVC	Black/Clear	B	259.95	239.95
733163	8719 0601000ℛ	4	16 / 18	1	1000' Reel	Chrome/PVC	Black/Clear	B	595.95	569.95
734184	8723 060U500ℛ	5	22 / 24	2	500' Unreel	Chrome/PVC	Black/Red, Green/White	A	199.95	189.95
734189	8760 060U500ℛ	4	18 / 24	1	500' Unreel	Chrome/PVC	Black/Clear	B	129.95	119.95
234194	8762 060100	4	20 / 20	1	100' Reel	Chrome/PVC	Black/Clear	B	29.95	26.95
734197	8762 060500ℛ	4	20 / 20	1	500' Reel	Chrome/PVC	Black/Clear	B	139.95	129.95
733112	8451 010100ℛ	2	22 / 22	1	100' Reel	Black/PVC	Black/Red	A	26.95	24.95
734063	8451 010U500ℛ	2	22 / 22	1	500' Unreel	Black/PVC	Black/Red	A	129.95	115.95
734191	8761 060500ℛ	4	22 / 22	1	500' Reel	Chrome/PVC	Black/Clear	B	99.95	89.95
734193	8761 060U500ℛ	4	22 / 22	1	500' Unreel	Chrome/PVC	Black/Clear	B	99.95	89.95
734190	8761 0601000ℛ	4	22 / 22	1	1000' Reel	Chrome/PVC	Black/Clear	B	159.95	149.95
733412	9451 008T1000ℛ	2	22 / 22	1	1000'	Gray/PVC	Black/Red	A	199.95	189.95
734180	8723 060100ℛ	5	22 / 24	2	100' Reel	Chrome/PVC	Black/Red, Green/White	A	49.95	46.95
234184	8790 060100 +	4	18 / 24	1	100' Reel	Chrome/PVC	Black/Clear	B	29.95	26.95
734181	8723 0601000ℛ	5	22 / 24	2	1000' Reel	Chrome/PVC	Black/Red, Green/White	A	399.95	379.95
734179	1419A 060100ℛ	1	24 / 24	2	100' Reel	Chrome/PVC	Wh/Blue Str, Blue/Wh Str, Wh/Org Str, Org/Wh Str	D	29.95	26.95
734085	1419A 0601000ℛ	1	24 / 24	2	1000' Reel	Chrome/PVC	Wh/Blue Str, Blue/Wh Str, Wh/Org Str, Org/Wh Str	D	279.95	259.95
732452	9502 060100ℛ	7	24 / 24	2	100' Reel	Chrome/PVC	Black/Red, Black/White	C	34.95	29.95
734076	9502 060U500ℛ	7	24 / 24	2	500' Unreel	Chrome/PVC	Black/Red, Black/White	C	145.95	139.95
232485	9503 060100	8	24 / 24	3	100' Reel	Chrome/PVC	Blk/Red, Blk/White, Blk/Green	C	39.95	35.95
734078	9503 060U500ℛ	8	24 / 24	3	500' Unreel	Chrome/PVC	Blk/Red, Blk/White, Blk/Green	C	194.95	189.95
732515	9504 060100ℛ ✪	9	24 / 24	4	100' Reel	Chrome/PVC	Blk/Red, Blk/White, Blk/Green, Blk/Blue	C	69.95	64.95
732523	9504 060500ℛ ✪	9	24 / 24	4	500' Reel	Chrome/PVC	Blk/Red, Blk/White, Blk/Green, Blk/Blue	C	249.95	229.95
732550	9505 060100ℛ	9	24 / 24	5	100' Reel	Chrome/PVC	Blk/Red, Blk/Wh, Blk/Green, Blk/Blue, Blk/Yellow	C	59.95	53.95

✪ Blue Part No. = Limited Quantity Available

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7

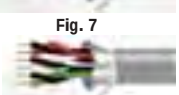


Fig. 8

Fig. 9

A = Polypropylene
B = Polyethylene
C = Semi-rigid PVC
D = Datalene E = Standard PVC
Wh = White Blk = Black
Org = Orange Str = Stripe

Wire & Cable

JAMECO ValuePro

Flat Ribbon Cable

• Prepackaged and priced in lengths listed below

Multicolor Cable — 28AWG (7 x 36)

- Standard 10-color repeat sequence
- Voltage rating: 300V
- Stranded copper wire
- Center spacing: 0.05"
- Temp. rating: -20°C to +80°C

★Web Code: WCF

Part No.	Cross Ref. No.	Conductors	Length	1	5	25
639672	28RC10-10ℛ	10	10'	$3.95	$3.59	$3.19
643508	28RC10-25ℛ	10	25'	8.95	7.95	6.95
643516	28RC10-100ℛ	10	100' reel	29.95	27.95	24.95
689311	9L2801000RHℛ*	10	100' reel	31.95	29.95	27.95
643532	28RC16-10ℛ	16	10'	5.95	5.49	4.95
643541	28RC16-25ℛ	16	25'	12.95	11.95	10.95
643559	28RC16-100ℛ	16	100' reel	49.95	44.95	39.95
643575	28RC20-10ℛ	20	10'	6.95	6.49	5.95
643583	28RC20-25ℛ	20	25'	16.95	15.49	13.95
643591	28RC20-100ℛ	20	100' reel	64.95	59.95	54.95
643612	28RC25-10ℛ	25	10'	8.95	7.95	6.95
643621	28RC25-25ℛ	25	25'	22.95	20.95	18.95
643639	28RC25-100ℛ	25	100' reel	69.95	62.95	56.95
643655	28RC34-10ℛ	34	10'	10.95	9.95	8.95
643663	28RC34-25ℛ	34	25'	25.95	23.95	21.95
643671	28RC34-100ℛ	34	100' reel	89.95	84.95	79.95
643698	28RC40-10ℛ	40	10'	12.95	11.95	10.95
643701	28RC40-25ℛ	40	25'	33.95	29.95	26.95
643719	28RC40-100ℛ	40	100' reel	119.95	109.95	99.95
643735	28RC50-10ℛ	50	10'	19.95	17.95	15.95
643743	28RC50-25ℛ	50	25'	39.95	36.95	33.95
643751	28RC50-100ℛ	50	100' reel	145.95	135.95	129.95
689426	9L28050008H100ℛ*	50	100' reel	145.95	139.95	133.95

*Belden: -40°C to +105°C

Gray Cable — 28AWG (7 x 36)

★Web Code: WBX

- Insulation: polyvinyl chloride (PVC)
- Single edge red stripe for pin 1 orientation

Part No.	Cross Ref. No.	Conductors	Length	1	5	25
643794	171-10-10ℛ	10	10'	$2.79	$2.49	$2.19
643807	171-10-25ℛ	10	25'	5.49	5.25	4.99
643815	171-10-100ℛ	10	100' reel	17.95	15.95	14.95
643831	171-16-10ℛ	16	10'	3.95	3.59	3.29
643840	171-16-25ℛ	16	25'	7.95	6.95	6.29
643858	171-16-100ℛ	16	100' reel	23.95	21.95	19.95
643874	171-20-10ℛ	20	10'	3.95	3.59	3.29
643882	171-20-25ℛ	20	25'	8.95	7.95	6.95
643891	171-20-100ℛ	20	100' reel	32.95	29.95	26.95
643911	171-25-10ℛ	25	10'	4.95	4.49	3.95
643920	171-25-25ℛ	25	25'	10.95	8.95	7.95
643938	171-25-100ℛ	25	100' reel	36.95	33.95	29.95
643962	171-26-10ℛ	26	10'	5.95	5.49	4.95
643971	171-26-25ℛ	26	25'	11.95	10.95	9.95
643989	171-26-100ℛ	26	100' reel	39.95	36.95	33.95
644033	171-34-10ℛ	34	10'	6.49	5.95	5.49
644041	171-34-25	34	25'	12.95	11.95	10.95
644050	171-34-100ℛ	34	100' reel	47.95	44.95	42.95
644076	171-37-10ℛ	37	10'	6.95	6.29	5.59
644084	171-37-25ℛ	37	25'	13.95	12.95	11.95
644092	171-37-100ℛ	37	100 reel	49.95	44.95	39.95
644113	171-40-10ℛ	40	10'	7.95	6.95	6.29
644121	171-40-25ℛ	40	25'	15.95	14.49	12.95
644130	171-40-100ℛ	40	100' reel	54.95	49.95	44.95
644156	171-50-10ℛ	50	10'	8.95	7.95	6.95
644164	171-50-25ℛ	50	25'	17.95	16.49	14.95
644172	171-50-100ℛ	50	100' reel	59.95	56.95	52.95
644199	171-60-10ℛ	60	10'	9.95	8.95	7.95
644201	171-60-25ℛ	60	25'	19.95	17.95	15.95
644210	171-60-100ℛ	60	100' reel	64.95	59.95	54.95

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Flat Ribbon Cable

Gray Cable .100" (2.54mm) — 24AWG

- Capacitance: 31pF/m
- Insulation resis.: 100MΩ
- Temp. rating: 105°C
- Insulation material: 7mm polyvinyl chloride (PVC) gray

★Web Code: WBX

Part No.	*Mfr.	Cross Ref.	Conductor	Length	1	5	25
363813	✦	H24G-10-10	10	10'	$9.95	$8.95	$7.95
363856	JVP	H24G-10-100	10	100'	69.95	63.95	59.95

BELDEN Speaker Cable

★Web Code: JCS

Part No.	Product No.	Length	AWG	Color	1	5
734081	9708 368U1000ℛ	1000' Unreel	18 Stranded	Clear	$349.95	$329.95
232602	9717 368100	100' Reel	14 Stranded	Clear	39.95	35.95
733430	9717 368500ℛ	500' Reel	14 Stranded	Clear	329.95	299.95
232629	9718 368100	100' Reel	12 Stranded	Clear	59.95	54.95
732646	9718 3681000ℛ	1000' Reel	12 Stranded	Clear	849.95	839.95

JAMECO ValuePro 2-Conductor Power/Speaker Cable – 24 AWG

- Black wire with white polarity stripe
- Temperature rating: 20°C to 60°C
- Stranded copper wire (7 x 32)
- Operating voltage: 300V

JAMECO EXCLUSIVE

★Web Code: VAL

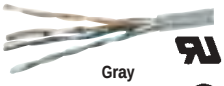
Part No.	Product No.	Length	1	5	10
100280	CAR45B-100ℛ	100'	$7.95	$7.25	$6.49
100299	CAR45B-1Kℛ	1000'	54.95	49.95	46.95

JAMECO ValuePro Category 5e Network Cable

★Web Code: KCG

Blue

Red


Gray

24 AWG UTP Catergory 5e Enhanced - 350MHz (Non-Plenum)

Part No.	*Mfr.	Product No.	Length	Color	Description	1	5
645714	JVP	10X5-704TH-25VP	25'	Blue	Solid	$3.95	$3.49
645722	JVP	10X5-704TH-100VP	100'	Blue	Solid	13.95	12.49
645731	JVP	10X5-704TH-1000ℛ	1000'	Blue	Solid	119.95	109.95
644543	JVP	10X5-701TH-25VP	25'	Gray	Solid	3.95	3.49
644551	JVP	10X5-701TH-100ℛ	100'	Gray	Solid	13.95	12.49
644560	JVP	10X5-701TH-1000ℛ	1000'	Gray	Solid	119.95	109.95
644607	JVP	10X5-804TH-25	25'	Blue	Stranded	4.95	4.49
644615	JVP	10X5-804TH-100	100'	Blue	Stranded	15.95	13.49
644623	JVP	10X5-804TH-1000ℛ	1000'	Blue	Stranded	125.95	109.95
645773	JVP	10X5-802TH-25	25'	Black	Stranded	4.95	4.49
645781	JVP	10X5-802TH-100	100'	Black	Stranded	15.95	13.49
645790	JVP	10X5-802TH-1000ℛ	1000'	Black	Stranded	125.95	109.95
644586	JVP	10X5-801TH-100	100'	Gray	Stranded	15.95	13.49
644594	JVP	10X5-801TH-1000ℛ	1000'	Gray	Stranded	125.95	109.95
645749	JVP	10X5-805TH-25VP	25'	Red	Stranded	4.95	4.49
645757	JVP	10X5-805TH-100VP	100'	Red	Stranded	15.95	13.49
645765	JVP	10X5-805TH-1000	1000'	Red	Stranded	125.95	109.95
645802	JVP	10X5-806TH-25VP	25'	Yellow	Stranded	4.95	4.49

24 AWG UTP Catergory 5e Enhanced - 350MHz (Plenum)

734097	BDN	1585A D15100ℛ	100'	Blue	Solid	$29.95	$28.95
1942104	BDN	1501A D151000ℛ	1000'	Blue	Solid	249.95	239.95
734098	BDN	1585A D15U1000ℛ	1000' Unreel	Blue	Solid	249.95	229.95
734093	BDN	1585A 877100ℛ	100'	Natural	Solid	29.95	28.95
734094	BDN	1585A 8771000ℛ	1000'	Natural	Solid	249.95	229.95
734096	BDN	1585A 877U1000ℛ	1000' Unreel	Natural	Solid	249.95	229.95
1942121	BDN	1501A 0091000ℛ	1000'	White	Solid	249.95	239.95
1941970	BDN	1701A 0091000ℛ*	1000'	White	Solid	349.95	329.95

*Bonded

JAMECO ValuePro Network Cables

★Web Code: BBK

Category 6

- Gold over nickel contacts
- With RJ45 plugs and molded strain reliefs
- Assembled using ETL verified 24AWG stranded cable
- Exceeds performance levels as specified in TIA/EIA 568B.2-1 category 6

Part No.	Length	Color	1	10	50
219707	3 ft. ℛ	Gray	$2.25	$1.95	$1.75
219715	7 ft. ℛ	Gray	3.25	2.95	2.49
219723	14 ft. ℛ	Gray	6.25	5.49	4.95
219731	25 ft. ℛ	Gray	8.95	7.95	6.95
219740	50 ft. ℛ	Gray	13.95	12.55	10.95
219854	3 ft. ℛ	Blue	2.25	1.95	1.75
219862	7 ft. ℛ	Blue	3.25	2.95	2.49
219871	14 ft. ℛ	Blue	6.25	5.49	4.95
219889	25 ft. ℛ	Blue	8.95	7.95	6.95
219897	50 ft. ℛ	Blue	13.95	12.55	10.95
220003	3 ft. ℛ	White	2.25	1.95	1.75
220011	7 ft. ℛ	White	3.25	2.95	2.49
220046	50 ft. ℛ	White	11.95	10.49	9.49
219900	3 ft. ℛ	Red	2.25	1.95	1.75
219918	7 ft. ℛ	Red	3.25	2.95	2.49
219934	25 ft. ℛ	Red	8.95	7.95	6.95
219942	50 ft. ℛ	Red	13.95	12.55	10.95
219803	3 ft. ℛ	Green	2.25	1.95	1.75
219811	7 ft. ℛ	Green	3.25	2.95	2.49
219820	14 ft. ℛ	Green	6.25	5.49	4.95
219766	7 ft. ℛ	Black	3.25	2.95	2.49
219782	25 ft. ℛ	Black	8.95	7.95	6.95
219791	50 ft. ℛ	Black	11.95	10.49	9.49
219969	7 ft. ℛ	Yellow	3.25	2.95	2.49
219993	50 ft. ℛ	Yellow	13.95	12.55	10.95

Category 5e

★Web Code: CAE

- 8P8C • 4 pair • 350 MHz • UTP
- 24 AWG (7 x 43) stranded • "Snagless" boot • Color coded for easy wire tracing

Part No.	Length	Color	1	10	100
168292	3 ft.	Gray	$1.55	$1.39	$1.25
168305	7 ft. ℛ	Gray	2.25	1.95	1.75
168313	15 ft.	Gray	3.95	3.55	2.95
168321	25 ft.	Gray	6.75	5.95	5.35
201777	3 ft. ℛ	Red	1.55	1.39	1.25
201785	7 ft.	Red	2.25	1.95	1.75
201793	15 ft.	Red	3.95	3.55	2.95
201806	25 ft. ℛ	Red	6.75	5.95	5.35
201697	3 ft. ℛ	Black	1.55	1.39	1.25
201700	7 ft. ℛ	Black	2.25	1.95	1.75
201718	15 ft.	Black	3.95	3.55	2.95
201726	25 ft. ℛ	Black	6.75	5.95	5.35
201734	3 ft.	Blue	1.55	1.39	1.25
1945381	5 ft.	Blue	1.95	1.75	1.65
201742	7 ft. ℛ	Blue	2.25	1.95	1.75
1945401	10 ft.	Blue	3.49	3.15	2.75
201751	15 ft.	Blue	3.95	3.55	2.95
201769	25 ft. ℛ	Blue	6.75	5.95	5.35
522845	50 ft.	Blue	7.95	6.95	6.25
201814	3 ft. ℛ	Yellow	1.55	1.39	1.25
1945372	5 ft.	Yellow	1.95	1.75	1.65
201822	7 ft.	Yellow	2.25	1.95	1.75
1945399	10 ft.	Yellow	3.49	3.15	2.75
201831	15 ft.	Yellow	3.95	3.55	2.95
201849	25 ft. ℛ	Yellow	6.75	5.95	5.35

RJ11 Retractable Cable

This RJ11 cable extends up to 8'. When you pack up, give it a tug and it retracts into its lightweight, rugged case like a windowshade. It's completely tangleproof.

Part No.	Product No.	1	5	100
233349	AC29908B	$1.25	$.99	$.89

* BDN = Belden | JVP = Jameco ValuePro | ✦ = Manufacturer Varies

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Cat 5e/6 Network Crossover Cables

★Web Code: CAE

- Connect 2 PCs without a hub
- 24AWG (7 x 43) stranded
- Strain relief RJ45 connectors
- 4-pair • 8P8C • UTP

Part No.	*Mfr.	Length	Description	1	10	100
681109	✦	3 ft.	Cat 5e gray	$2.75	$2.49	$2.25
302041	JVP	7 ft.	Cat 5e gray	3.75	3.35	2.95
685812	✦	7 ft.	Cat 5e yellow	3.75	3.35	2.95
169261	JVP	10 ft.ℛ	Cat 5e gray	6.95	6.25	5.65
203781	JVP	12 ft.	Cat 5e black	2.95	2.65	2.35
679762	✦	3 ft.	Cat 6 gray	1.49	1.35	1.19
681096	✦	7 ft.	Cat 6 gray	3.75	3.35	2.95

Modular Telephone/Printer Sharing Cables (Gray)

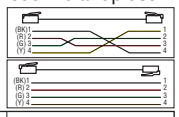
JAMECO ValuePro

- RJ11 – 6P4C for telephone or network
- RJ11 – 6P6C for telephone or printer sharing
- RJ45 – 8P8C for telephone or modem-dial-up use

★Web Code: EBF

Style 1 – Reverse wiring for telephone systems

Style 2 – Straight wiring for networking/printer sharing



Part No.	Conn. Style	Type	Length	Pricing 1	10	100
196227	1ℛ	RJ11-6P4C	7ft.	$1.75	$1.59	$1.39
115554	2ℛ	RJ11-6P4C	7ft.	1.75	1.59	1.39
115545	1	RJ11-6P4C	25ft.	2.95	2.65	2.35
201232	2	RJ11-6P4C†	35ft.	1.75	1.59	1.39
115588	1	RJ11-6P6C	7ft.	1.49	1.35	1.19
115617	2	RJ11-6P6C	7ft.	1.95	1.75	1.59
355653	2	RJ11-6P6C	14ft.	.75	.69	.55
115677	2ℛ	RJ45-8P8C	7ft.	1.95	1.75	1.59

† Beige

Keystone-Type RJ11 & RJ45 Jacks

Modular Punchdown Type

- CAT 5e classification
- Punchdown type wiring connections with color coding
- Size: 0.57"W x 1.23"D x 0.63"H

★Web Code: MBV

Part No.	*Mfr.	Description	Color	1	10	50
213517	✦	6P6C (RJ11)ℛ	White	$2.75	$2.49	$2.25
615048	GCE	8P8C (RJ45)	Black	4.75	4.25	3.79
195630	✦	8P8C (RJ45)ℛ	Black	2.25	1.95	1.75
212951	✦	8P8C (RJ45)	Blue	2.25	1.95	1.75
212944	✦	8P8C (RJ45)ℛ	White	2.95	2.65	2.39
195637	✦	8P8C (RJ45)✪	Ivory	1.95	1.75	1.69
636130	FST	8P8C (RJ45)	Almond	2.75	2.49	2.25
615144	GCE	Tool-less	Ivory	2.49	2.25	1.95

✪ Blue Part No. = Limited Quantity Available

RJ45-Plug Color Caps (Boots)

JAMECO ValuePro

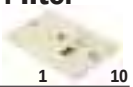
- Round strain relief
- **Order in multiples of 10**

★Web Code: JBG

Part No.	Color	10	100	500	1000
204410	Blackℛ	$.19	$.17	$.15	$.11
204353	Gray	.19	.17	.15	.11
204362	Blueℛ	.19	.17	.15	.11

Cisco Wall Jack DSL Filter

- Filters out DSL
- Dimension: 4.7" x 3.0"



Part No.	Description	Color	1	10
15077	6P4C (RJ11)	White	$2.95	$2.65

Modular Plugs

JAMECO ValuePro

★Web Code: FBB

P = No. of positions
C = No. of contacts

✳ Order in multiples of 10

Part No.	Description	Size (L" x W" x H")	1	10	100	1000
103491	4P4C (RJ14) handset	.485 x .30 x .26	✳	$.13	$.12	$.09
79290	6P4C (RJ11)	.487 x .38 x .26	✳	.14	.13	.10
79273	6P6C (RJ11)	.487 x .38 x .26	.25	.23	.20	.18
79281	8P8C (RJ45) (for stranded wire)	.845 x .46 x .31	.47	.43	.38	.29
119343	8P8C (RJ45) unshielded (for solid wire)	.845 x .46 x .31	.45	.39	.35	.29
116611	8P8C (RJ45) shieldedℛ	.866 x .46 x .33	1.09	.99	.89	.79
204231	8P8C (RJ45) shielded (for STP stranded wire)	.484 x .455 x .285	.75	.69	.59	.49
116602	8P8C (RJ45) shielded (for solid wire)ℛ	.845 x .46 x .31	.99	.89	.79	.59
180646	10P10C (RJ50) for stranded wire	.849 x .46 x .31	.39	.35	.29	.25
524411	8P8C, unshielded flat oval solidℛ	.850 x .464 x .314	.55	.49	.45	.39

Modular Jacks

JAMECO ValuePro

★Web Code: NEL

✪ Blue P/N = Limited Quantity ✳ Order in multiples of 10

Part No.	*Mfr.	Description	Panel Mount	Size (L" x W" x H")	1	10	100	1000
115128	JVP	4P4C (RJ14) handset side entry, center latchℛ	No	.51 x .40 x .57	$.45	$.39	$.35	$.29
852836	AMP	4P4C (RJ14) side entry, center latch, flangeless	No	.82 x .44 x .63	.75	.69	.59	.49
199620	JVP	4P4C (handset) side entry, center latch	Yes	.51 x .55 x .57	.35	.29	.25	.19
105945	JVP	6P4C (RJ11) side entry, center latch, top flange	Yes	.48 x .48 x .71	✳	.19	.17	.15
524277	AMP	6P6C (RJ11) top entry, center latch, flangeless	No	.53 x .64 x .63	.65	.59	.55	.49
2077781	JVP	6P4C (RJ11) side entry, center latch	No	.72 x .51 x .45	.45	.39	.35	.29
2077221	✦	6P6C (RJ11) side entry, front latch, PCB ground	Yes	.73 x .55 x .58	.69	.59	.49	.45
115837	JVP	6P6C (RJ11) side entry, center latchℛ	Yes	.51 x .48 x .57	.85	.75	.65	.59
151766	JVP	6P4C (RJ11) side entry, center latchℛ	Yes	.80 x .52 x .59	.65	.59	.55	.49
852449	AMP	6P6C (RJ25) side entry, center latch, SMT, low profile	Yes	.72 x .63 x .50	.89	.79	.69	.59
204178	JVP	6P6C (RJ11) dual entry, center latchℛ	Yes	.62 x 1.1 x .60	1.35	1.19	.99	.79
124039	JVP	6P6C (RJ11) top entry, 6" leads, panel mountℛ	Yes	.54 x .59 x .72	1.25	1.09	.99	.89
800315	MOL	6P6C (RJ11) side entry, center latch, unshielded, gangedℛ	No	.92 x .85 x .52	2.95	2.65	2.39	2.15
115844	JVP	8P8C (RJ45) side entry, center latch	No	.53 x .60 x .57	.69	.59	.55	.49
2078240	✦	8P8C (RJ45) side entry, center latch	Yes	.81 x .60 x .59	.69	.59	.49	.45
203449	JVP	8P8C (RJ45) side entry, center latch, shielded	No	.84 x .63 x .53	.95	.85	.75	.65
204215	JVP	8P8C (RJ45) side entry, center latch, low profileℛ	No	.81 x .60 x .50	.95	.85	.75	.65
2078258	✦	8P8C (RJ45) side entry, center latch, low profile	No	.71 x .60 x .46	.49	.45	.39	.35
524461	AMP	8P8C (RJ45) side entry, front latch, low profile	No	.72 x .61 x .50	.55	.49	.45	.39
524251	AMP	8P8C (RJ45) side entry, center latch	Yes	.82 x .61 x .64	.65	.59	.49	.45
2078266	✦	8P8C (RJ45) side entry, front latch, low profile	No	.68 x .59 x .49	.49	.45	.39	.35
1537416	KYC	8P8C (RJ45) side entry, front latch, low profile	Yes	.72 x .60 x .50	.59	.45	.35	.29
524488	AMP	8P8C (RJ45) top entry, top latch	No	.66 x .62 x .63	.65	.59	.55	.49
2077790	✦	8P8C (RJ45) top entry, bottom latch	Yes	.64 x .61 x .62	.59	.55	.49	.45
889129	AMP	6P6C (RJ25) top entry, center latch SMTℛ✪	No	.55 x .53 x .50	1.65	1.49	1.35	1.19

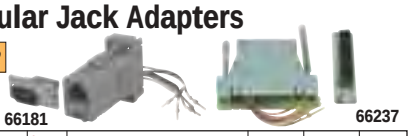
RS-232-to-RJ11/RJ45 Modular Jack Adapters

JAMECO ValuePro

Simplify networking applications when changing your RS-232 port to an RJ11 or RJ45 modular jack. Comes with all necessary hardware and wiring.

★Web Code: RDR

JAMECO EXCLUSIVE



Part No.	*Mfr.	Description	1	10	100
66181	JVP	DB9 M to RJ11 (6P6C)	$2.49	$2.25	$1.95
204265	JVP	DB9 M to RJ11 (6P6C)	.75	.69	.59
66191	JVP	DB9 M to RJ45 (8P8C)ℛ	2.75	2.49	2.25
614977	GCE	DB9 M to RJ45 (8P8C)	2.75	2.49	2.25
614985	GCE	DB9 F to RJ11 (4P4C)	1.95	1.75	1.59
114738	JVP	DB9 F to RJ11 (6P4C)ℛ	2.35	2.09	1.89
66203	JVP	DB9 F to RJ11 (6P6C)ℛ	2.75	2.49	2.25

Part No.	*Mfr.	Description	1	10	100
66212	JVP	DB9 F to RJ45 (8P8C)ℛ	$2.95	$2.65	$2.39
615005	GCE	DB9 F to RJ45 (8P8C)	2.45	2.19	1.95
66229	JVP	DB25 M to RJ11 (6P6C)	2.75	2.49	2.25
2099681	JVP	DB15 F to RJ-11 (6P6C)	2.49	2.25	1.95
66237	JVP	DB25 M to RJ45 (8P8C)	1.85	1.69	1.49
615021	GCE	DB25 M to RJ45 (8P8C)	2.75	2.49	2.25
204273	JVP	DB25F - RJ11 (6P4C)	.65	.59	.55
66254	JVP	DB25 F to RJ45 (8P8C)ℛ	1.85	1.69	1.49

EZ-RJ45 Category 5 & 6 Modular Plugs

BOMAR

Strip the wire and insert into the plug & pull out the wire on the other side. This ensures correct conductor order and uniformity in crimping. No wire bar and no wasted cable.

Part No.	Mfr. Part No.	Description	1	10	100	1000
158115	300568EZℛ	8P8C CAT5 EZ-Plug	$1.65	$1.49	$1.35	$1.19
2099278	300668EZℛ	8P8C CAT6 EZ-Plug	1.75	1.59	1.45	1.29

* AMP = AMP | FST = FutureSmart | GCE = GC Electronics | JVP = Jameco ValuePro | KYC = Kycon | MOL = Molex | ✦ Manufacturer Varies

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Modular Couplers and Adapter

JAMECO ValuePro — ★Web Code: XAH

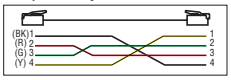
Fig. 1
W: 1.5"
H: 0.9"
D: 0.7"

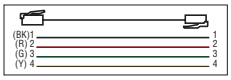
Fig. 2
W: 1.7"
H: 1.0"
D: 0.9"

Fig. 3
W: 1.1"
H: 0.8"

Style 1 Reverse wiring for telephone systems

Style 2 Straight wiring for networking/printer sharing





Part No.	Description	Fig.	Pricing 1	10	100
71757	6P6C modular coupler, **Style 1**, RJ11	1	$.95	$.85	$.75
135087	6P6C modular coupler, **Style 2**, RJ11	1	1.09	.99	.89
181091	6P6C make "T" adapter, **Style 2**. RJ11	3	.75	.69	.59
118501	8P8C modular coupler, **Style 1**, RJ45	1	1.75	1.55	1.39
135079	8P8C modular coupler, **Style 2**, RJ45	1	1.39	1.25	1.15
153023	8P8C modular coupler, **Style 2** (for CAT 5) RJ45	2	7.95	7.15	6.45

Modular Jack Boxes

JAMECO ValuePro

Fig. 1
W: 2.0"
H: 2.2"
D: 0.9"

Fig. 2
W: 1.5"
H: 2.4"
D: 1.1"

Fig. 3
W: 2.4"
H: 2.4"
D: 1.1"

★Web Code: UAM

Part No.	Description	Fig.	Pricing 1	10	100
103464	6P4C adhesive jack RJ11 (beige)	1	$1.25	$1.09	$.99
71984	6P6C adhesive jack RJ11 (beige)	1	1.39	1.25	1.15
71651	8P8C adhesive jack RJ45 (beige)	1	1.39	1.25	1.15
213032	8P8C adhesive jack RJ45 (single, white) (CAT 5e) ℛ	2	3.49	3.15	2.85
213049	8P8C adhesive jack RJ45 (dual, white) (CAT 5e)	3	4.25	3.75	3.25

Modular Jack Wall Plates

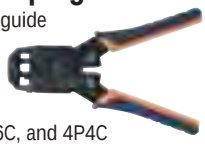
Fig. 1
W: 2.8"
H: 4.5"

Fig. 2
W: 2.8"
H: 4.5"

Fig. 3
W: 2.8"
H: 4.7"

Part No.	Description	Fig.	Pricing 1	10	100
72311	6P6C & 8P8C double wall jack plate w/ jacks (beige)	1	$1.25	$1.09	$.95
319839	8P8C triple wall jack plate w/ jacks (white) (CAT 6)	2	5.95	5.49	—
319821	8P8C quad wall jack plate w/ jacks (white) (CAT 5e)	3	5.95	5.49	—

Professional Modular Connector Crimping Tool



- 6mm and 12mm stripping guide
- Spring return action
- Crimp modular plugs without changing dies
- Crimps 10P10C, RJ45: 8P8C, RJ11 and RJ12: 6P6C, and 4P4C
- Insulated handles • Size: 8.2"L • Weight: 1.2 lbs.

Part No.	Mfr. Part No.	1	10	25
181148	HT200ℛ	$54.95	$49.49	$44.55

Keystone-Type Wall Plates

- Size: 2.8"W x 4.5"H
- RJ45 8P8C

★Web Code: RBH

636965

212960

Part No.	No. of ports	Color	Pricing 1	10	100
636965	1	Almond	$.95	$.85	$.75
212978	1	White	.95	.85	.75
212960	4	Ivory	.95	.85	.75
636990	2	White	.95	.85	.75
195565	3	Ivory	.95	.85	.75
637028	4	Almond	.95	.85	.75
195573	4	Ivory	.95	.85	.75

AMP 8P8C In-Line Coupler

- Panel mount thickness: 0.062" nominal
- Housing: black polyphenylene oxide
- Terminals: 0.018" diameter phosphor bronze with 50"µ gold over nickel
- Snaps into 0.595" x 0.765" rectangular wall plate cut-outs

Part No.	Mfr. Part No.	1	10	100
524445	555052-1ℛ	$4.75	$4.25	$3.79

Self-Adhesive Wire Marker

This booklet has 9 pages of self-adhesive wire markers. Per page has 315 labels of the numbers 0-9.

- Label size: 0.21"W x 0.27"H

Part No.	Product No.	1	10
182262	0215WMB-1	$6.95	$6.25

3M Tape Wire Marker Dispensers

Dispenser for ten refillable compartments for marking wire with numbered or colored tape.

- Self-adhesive tapes
- Size: (tape) 96"L x 0.25"W

159231: 1 roll each numbered 0 to 9

2099657: 1 roll each black, blue, brown, green, gray, orange, red, violet, white and yellow

Part No.	Mfr. Part No.	1	10
159231	STD-0-9	$41.95	$37.95
2099657	STD-C	41.95	37.95

Panduit Wiring Duct & Cover

- Light gray • Lead free PVC

489230:

- Wide finder slotted wiring duct
- Standard mounting PC holes
- Size: 1.75"W x 1.62"H
- Sold in 6 foot lengths only

Price per foot

Part No.	Description	1	5
489230	Duct	$31.95	$28.75
489213	Cover	6.95	6.25

Nylon Cable ID Ties and Tabs

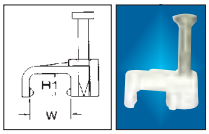
- Nylon cable tie ID marker
- **Order in multiples of 10**

135175

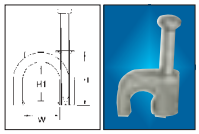
Part No.	Size	10	100
135175	2.0"L x 0.8"W x .02"T	$.12	$.10
182705	1.5"L x 0.75"W	.07	.05

Compare products online to quickly find the products you want with the specifications and real time product availability.

Nail-In Cable Clips



190828



190861

- Material: Impact resistant PE • With nails inserted

For telephone cords; white

Order in multiples of 100

Part No.	Cross Ref. No.	W" x H" x H1"	100	1000
190828	NF1.2	.24 x .21 x .15	$.02	$.01
190836	NF1.6	.31 x .31 x .20	.02	.01

For general round cables; gray

Order in multiples of 100

Part No.	Cross Ref. No.	W" x H" x H1"	100	1000
190861	NCO.35N	.14 x .23 x .15	$.02	$.01
190887	NC1N	.24 x .35 x .26	.02	.01
190895	NC2N	.31 x .45 x .34	.02	.01
190908	NC3N	.39 x .53 x .41	.02	.01

Nylon Cable Ties

Standard

70561

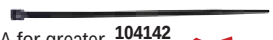
★Web Code: QAV

- Cable ties made from UL approved Nylon 66
- Temperature range: -40°C to +85°C
- Color: clear (except P/N 182677: white)
- Flammability rating: UL 94V-2

Order in multiples of 100

Part No.	Tensile Strength	Size (L" x W")	100	1000
70561	18 lbs.ℛ	3.1 x 0.10	$.04	$.03
126544	18 lbs.ℛ	4.0 x 0.10	.03	.02
182677	18 lbs.ℛ	4.75 x 0.13	.04	.03
182651	18 lbs.ℛ	5.5 x 0.13	.11	.10
139150	18 lbs.	8.0 x 0.10	.04	.02
182669	18 lbs.ℛ	8.0 x 0.13	.08	.05
182685	18 lbs.ℛ	8.0 x 0.18	.04	.03
70907	40 lbs.ℛ	5.8 x 0.10	.08	.07
190756	40 lbs.	10.0 x 0.14	.09	.07
190772	40 lbs.	11.0 x 0.19	.09	.07
190764	40 lbs.	13.0 x 0.14	.10	.08

Weather Resistant


104142

UV Resistant

- Contains Carbonate A for greater resistance to ultraviolet rays in outdoor use

Order in multiples of 100

Part No.	Tensile Strength	Size (L" x W")	100	1000
139125	18 lbs.	3.0 x 0.90	$.03	$.01
104142	18 lbs.ℛ	4.0 x 0.10	.05	.03
104134	40 lbs.ℛ	5.8 x 0.10	.08	.05
190782	40 lbs.ℛ	8.0 x 0.13	.11	.08
190800	40 lbs.ℛ	10.0 x 0.14	.18	.13
190802	40 lbs.ℛ	13.0 x 0.14	.19	.17

Cable Tie Assortments

- Tensile strength: 18-50 lbs.

145701: 1000 pcs. (4"L); 10 colors

150412: 850 pcs. total 500 pcs. (4"L); 300 pcs. (8"L); 50 pcs. (11"L), 5 colors

145701

Part No.	Wt. (lbs.)	1	10	25
145701	0.7	$9.95	$8.95	$7.95
150412	1.7	17.95	16.95	15.95

Cable Tie Tool

- 2.5 - 5mm width (of cable)
- Tension adjustable
- Spring return action • Metal

Part No.	Cross Ref. No.	1	5	10
182298	0302TG-7ℛ	$19.95	$17.95	$15.95

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Cable Accessories, Braided Sleeves & Heat Shrink Tubing

Cable Tie Mounts & Cable Clamps

★Web Code: FBE

- Tie mount and screw tab cable clamps
- Material: UL approved nylon 66, 94V-2

182942/17121471408/71395/71386 | 70595 | 182301/173761 | 182334 | 173737 | 71062

Part No.	Cross Ref. No.	Description (✳ Order in multiples of 10)	1	10	100	1000
182942	0505HC-101Sℛ	4-way cable tie mount, self-adhesive, .75"D	✳	$.10	$.09	$.08
171214	HC-100ℛ	4-way cable tie mount, self-adhesive, use w/ 0.1"W max., 0.5" square	✳	.16	.14	.13
71408	HC-101ℛ	4-way cable tie mount, self-adhesive, use w/ 0.1"W max., 0.9" square	✳	.19	.17	.15
71395	HC-102ℛ	4-way cable tie mount, self-adhesive, use w/ 0.2"W max., 1.1" square	✳	.25	.23	.19
71386	HC-103	4-way cable tie mount, self-adhesive, use w/ 0.4"W max., 1.1" square	.37	.33	.29	.27
70595	HC-0ℛ	4-way cable tie, screw type, use w/ 0.2"W max., 0.8"L x 0.4"W	✳	.19	.17	.15
182301	0510HC-2ℛ	Cable tie mount, 1/4" screw hole, 0.5"D	✳	.17	.15	.14
173761	HC-1	Cable tie, saddle type, 0.6"L x 0.4"W	✳	.10	.09	.08
182318	0519ATC-17	2-way adjustable tie mount, #6 flat head screw, 0.7"D	✳	.35	.29	.25
182376	0519ATC-22	2-way adjustable tie mount, #6 flat head screw, 0.9"D	✳	.21	.19	.15
182334	0520FC-1	Cable tie mount, self-adhesive, 0.1"D	✳	.19	.17	.14
173729	UC0.5	Cable clamp for 3/16" cable	✳	.06	.04	.02
173737	UC1	Cable clamp for 1/4" cable	✳	.11	.10	.09
71062	MCV-100Rℛ	Cable ID tie (4"L x 0.1"W) with tab (.98"W x .31"H)	✳	.29	.27	.23

FLEXO® Braided Sleeve

- Color: black
- Length: 25 feet
- Cut and abrasion resistant
- Maintains properties across wide temperature range
- UV resistant

Flexo® Clean-Cut Braided

★Web Code: ECQ

- Dense braid structure provides fuller coverage
- Fray resistant when cut w/ scissors

Part No.	Mfr. Part No.	Min/Mzx Flex (ins.)	Inside Dia.(ins.)	Outside Dia.(ins.)	1	5
162157	CCP0.25BK25ℛ	5/32 – 7/16	0.250	0.440	$15.95	$14.49
162165	CCP0.50BK25ℛ	1/4 – 3/4	0.500	0.750	17.95	15.95

Flexo® Pet Braided

★Web Code: TFP

- Braided from 10 mil polyethylene terepthalate monofilament yarns
- UL recognized component
- Conforms to FMVSS 302
- High tensile strength

Part No.	Mfr. Part No.	Min/Max Flex (ins.)	Inside Dia.(ins.)	Outside Dia.(ins.)	1	5
693679	PTN0.25BK25ℛ	1/8 – 7/16	0.250	0.440	$7.95	$6.95
693687	PTN0.38BK25ℛ	3/16 – 5/8	0.375	0.425	11.95	10.95
695383	PTNO.50BK25ℛ	1/4 – 3/4	0.500	0.550	11.95	10.75

Rip-Tie Lite Cable Wraps

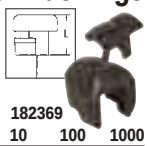
- Patented one end permanently attaches to the cable and the other end has a pull tab
- 10 per pack
- Made of the best quality hook and loop touch fastener tested for 10,000 closures with no loss of holding strength

Part No.	Product No.	1	5
700699	1/2"W x 8"L, rainbowℛ	$9.95	$8.95
700701	1/2"W x 8"L, blackℛ	9.95	8.95

Round-Type Strain Relief Bushings

- UL approved nylon 66, 94V-2
- Used extensively for protecting cords and to prolong cord life
- *Order in multiples of 10*

✪ Blue P/N = Limited Qty Available



182369

Part No.	Cable Type	Length (in.)	10	100	1000
182351	SVI/SVT	.43	$.08	$.07	$.05
182369	SJ/SJT; 16 AWG	.58	.12	.10	.08
182377	SJC; 18 AWG ✪	.58	.07	.05	.04

Part No.	Description	1	10
73471	Bushing toolℛ	$34.95	$29.95

3M JAMECO ValuePro Heat Shrink Tubing Kits

NEW MARKED IN PINK

★Web Code: HST

A selection of heat shrinkable flexible polyolefin tubing that offers an outstanding balance of electrical, physical and chemical properties for a wide variety of industrial and military applications. Rated for 275˚F (135˚C).

2095971		2095963		285481		2095947		645976	
Size	Pieces	Size	Pieces	Size	Pieces	Size	Piece	Size	Pieces
1/8"	12	1/16"	56	3/16"	30	1/16"	56	3/32"	35
1/4"	10	3/32"	35	1/4"	28	3/32"	35	1/8"	28
3/8"	6	1/8"	28	3/8"	20	1/8"	28	3/16"	21
1/2"	4	3/16"	18	1/2"	14	3/16"	18	1/4"	21
3/4"	3	1/4"	9	3/4"	6	1/4"	9	3/8"	14
1"	2	3/8"	8	1"	4	3/8"	8	1/2"	14

2095971

285481

645976

Part No.	Mfr.	Description	Pieces	Length	1	5
2095971	ValuePro	Black, dual wall, moisture resistant	37	4	$24.95	$22.49
2095963	ValuePro	Black	154	4	19.95	17.95
285481	3M	Black	102	6	65.95	58.95
2095947	ValuePro	Black/red/white/yellow/blue/green/clear	154	4	19.95	17.95
645976	3Mℛ	Black/red/white/yellow/blue/green/clear	133	6	65.95	58.95

alpha Polyolefin Heat Shrink Tubing

FIT221/FIT221B Series

Insulation from environment and resistance from water fungus and UV light. Use for insulation and repair, wire and cable harnessing/bundling, cable and connector protection, and wire and tubing splicing and connecting.

- Operating temp: -55°C to 135°C
- Shrinkage ratio: 2:1 @ 121°C
- Dielectric strength: 500V/mil (197kV/cm)
- Volume resistivity: $10^{14}\Omega$-cm

★Web Code: VAH

Clear (4 foot pieces)

Part No.	Mfr. Part No.	Min./Max. ID (ins.)	1	10	100
419119	FIT221-3/64ℛ	.046/.023	$.85	$.79	$.59
419135	FIT221-1/16ℛ	.063/.031	.95	.85	.75
419178	FIT221-1/8ℛ	.125/.062	1.19	1.05	.95
419215	FIT221-1/4ℛ	.250/.125	2.25	1.95	1.75
419231	FIT221-3/8ℛ	.375/.187	1.79	1.59	1.39
419274	FIT221-3/4ℛ	.750/.375	2.69	2.49	—

Black (4 foot pieces)

419101	FIT221B-3/64ℛ	.046/.023	$.89	$.79	$.69
419127	FIT221B-1/16ℛ	.063/.031	.99	.89	.79
419143	FIT221B-3/32ℛ	.093/.046	.99	.89	.79
419160	FIT221B-1/8ℛ	.125/.062	.99	.89	.79
419186	FIT221B-3/16ℛ	.187/.093	1.25	1.09	.99
419207	FIT221B-1/4ℛ	.250/.125	1.85	1.69	1.49
419223	FIT221B-3/8ℛ	.375/.187	1.95	1.75	1.59
419240	FIT221B-1/2ℛ	.500/.250	1.95	1.75	1.59

Black (6 inch pieces)

✪ Blue P/N = Limited Qty Available

Part No.	Mfr. Part No.	Min./Max. ID (ins.)	Bags of	1	5
419400	FIT221B-1/16ℛ	.063/.031	36	$14.75	$13.29
419442	FIT221B-1/8ℛ ✪	.125/.062	28	12.95	11.49
419522	FIT221B-1/2ℛ	.500/.250	14	12.95	11.49
419549	FIT221B-3/4ℛ	.750/.375	12	14.75	13.29
419565	FIT221B-1ℛ ✪	1.00/.500	8	14.75	13.29

Heat Shrink Tubing

- 2:1 uniform shrink ratio
- Color: black
- Shrink temp.: 90°C

Polyolefin Tubing

- *Only sold in 10' & 100' lengths*

★Web Code: HST

Part No.	Dia. Before (mm)	Length (ft.)	1	10
644834	0.12" (3)ℛ	10	$1.95	$1.75
644851	0.12" (3)	100	12.65	11.49
644869	0.16" (4)	10	2.15	1.95
644877	0.16" (4)	100	19.95	17.95
644906	0.20" (5)	10	2.45	2.19
644914	0.20" (5)	100	21.45	19.29
644931	0.24" (6)	10	2.55	2.29
644949	0.24" (6)	100	21.75	19.59
644957	0.31" (8)	10	2.95	2.65
644965	0.31" (8)	100	31.95	28.75
644973	0.43" (11)	10	3.95	3.55
644981	0.43" (11)	100	35.95	32.35
644990	0.59" (15)	10	4.95	4.45

Polyolefin Flexible Tubing

72063

- Precut 39" length (1 meter)
- Dielectric strength: 1300V
- Temp. range: -45°C to +125°C
- Flame retardant

Part No.	Dia. Before (mm)	1*	10*	100*
71327	.059" (1.5)	$.55	$.49	$.45
71871	.079" (1.5)ℛ	.55	.49	.45
71280	.098" (2.5)ℛ	.95	.85	.75
72063	.197" (5.0)	.85	.75	.69

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

JAMECO ValuePro

Audio/Video Cables and Adapters

★Web Code: JAU

Video/Audio Patch Cables

Part No.	*Mfr.	Description	1	10	25
2081211	MST	4' RCA video component (3) male to (3) male	$8.95	$7.95	$6.95
2081852	JVP	6' RCA video component (3) male to (3) male	8.95	7.95	6.95
228216	JVP	3' stereo video patch cable, gold plated	1.55	1.39	1.25
228646	JVP	25' component video RGB cable	14.95	13.49	11.95
228582	JVP	50' stereo video patch cable, gold plated	12.95	11.75	10.49

RCA Cables

★Web Code: QAP

Part No.	*Mfr.	Description	1	10	100
228371	JVP	6" RCA **M** plugs (2) to RCA **F** jack	$1.35	$1.19	$1.09
228355	JVP	6" RCA **M** plug to (2) RCA **F** jacks	1.95	1.75	1.59
228380	JVP	6" RCA **F** jacks (2) to 3.5mm stereo plug	1.95	1.75	1.59
1810161	JVP	3' RCA (3) male (3) male plugs, gold plated	2.95	2.65	2.39
228443	JVP	3' stereo RCA (2) male to (2) male plugs, gold plated	1.75	1.59	1.39
183312	JVP	4' RCA male to male plug (black)ℛ	1.35	1.19	.99
206974	JVP	4' RCA male to male plug (yellow)ℛ	.99	.89	.79
139038	✦	5' RCA **M** plugs (2) to 1/8" stereo **M** plugℛ	1.95	1.75	1.59
682793	✦	6' RCA mono **M** plugs (2) to 1/8" stereo **M** plug	1.55	1.39	1.25
1949470	✦	6' RCA male to male, gold plated	.95	.85	.75
106375	JVP	6' RCA male to male plugℛ	1.75	1.59	1.25
2082417	JVP	6' RCA male to male plug (yellow)	1.95	1.75	1.49
228419	JVP	6' mono RCA male plug to female jack	1.95	1.75	1.49
228486	JVP	6' RCA stereo (2) male plugs to (2) female jacks	1.25	1.09	.99
228451	JVP	6' RCA stereo (2) male to (2) male plugs, gold plated	1.95	1.75	1.49
228401	JVP	6' RCA stereo (2) male plugs to 3.5mm stereo male plug	1.65	1.49	1.35
1810152	✦	6' RCA (3) male (3) male plugs, nickel plated	2.95	2.65	2.39
29349	JVP	10' RCA male to male plug (yellow)ℛ	2.05	1.89	1.65
228460	JVP	12' RCA stereo (2) male to (2) male plugs, gold plated	2.69	2.45	2.19
225980	JVP	12' RCA (3) male to (3) male plugs, gold plated	3.95	3.55	3.19
225998	JVP	20' RCA (3) male to (3) male plugs, gold plated	6.95	6.25	4.95
228435	JVP	25' mono RCA male to male plug, nickel plated	2.25	1.95	1.79
228478	JVP	25' RCA stereo (2) male to (2) male plugs, gold plated	2.95	2.65	2.39

3.5mm Audio/Splitter Patch Cables

Part No.	*Mfr.	Description	1	10	100
2099649	JVP	1.8" 3.5mm mono **F** (2) to male stereo plug	$1.95	$1.75	$1.49
1944855	✦	3'4" 3.5mm mono male to male plug (black)	1.25	1.09	.99
228494	JVP	6' 3.5mm stereo male to male plug (black)	1.45	1.29	1.15
228515	JVP	6' 3.5mm stereo male plug to female jack (black)	2.35	2.09	1.89
228398	JVP	6" 3.5mm stereo Y-cable **F** jacks (2) to **M** plug	2.35	2.09	1.89
228380	JVP	6" 3.5mm stereo Y-cable **M** plug to RCA **F** jacks (2)	1.95	1.75	1.59
228507	JVP	12' 3.5mm stereo male to male plug (black)	1.95	1.75	1.59
228523	JVP	12' 3.5mm stereo male plug to female jack (black)	2.49	2.25	1.95
2077538	✦	20' 3.5mm stereo male plug to female jack (black)	2.75	2.49	2.25

JAMECO ValuePro

Component Video and Audio Cable

- Low-loss 75Ω oxygen-free copper center conductors and foam dielectric provide maximum signal transfer bandwidth for improved picture quality and performance
- Corrosion resistant, precise 24k gold-plated connectors ensure long lasting quality
- Fully molded color coded connectors attached to an ultra-flexible PVC jacket provide excellent strain relief, easy installation, and identification
- 100%, 0.012mm aluminum-polyester foil shielding and spiral-wound copper-braid shielding provides clear, noise-free, vivid picture quality

229403

Part No.	Description	1	10	25
228620	6' component video RGB cable	$4.95	$4.49	$3.95
229403	6' component video RGB and stereo audio cable	11.95	10.95	9.95

JAMECO ValuePro

S-VHS Cables and Adapters

★Web Code: TBL

JAMECO EXCLUSIVE

Low-loss fully shielded Super-VHS cables, 4-contact mini DIN plus S-VHS cable and dual-RCA plug stereo cables.

- Fully-molded color coded gold RCA connectors
- Flexible black PVC jacket
- Applications: home theaters, DSS receivers, Super-VHS VCRs, camcorders & DVD players

✪ Blue Part No. = Limited Quantity Available

229809 229391 228591

Part No.	Description	1	10	100
229809	S-video 4-pin mini DIN female to female jack ✪	$1.45	$1.29	$1.15
683075	S-video male plug to RCA video female jack (blue)	1.95	1.75	1.49
229391	S-video male plug to RCA video female jack	2.95	2.65	2.39
228591	6' S-VHS video cable, gold plated	2.15	1.95	1.79
228611	25' S-VHS video cable, gold plated	3.95	3.55	3.19

Audio/Video BNC to RCA Cables & Adapter

683059

Fully molded nickel connectors. Used for displays that require a single BNC connection from a PAL/NTSC video source.

★Web Code: AVC

Part No.	Description	1	10	25
683059	6' BNC to RCA cable (RG-59)	$3.95	$3.49	$2.95
1945057	6' BNC to BNC video cable w/ BNC to RCA male adapter	3.95	3.49	2.95

RGB Video Cables

- 75Ω coaxial cable
- Pin 1 red, pin 2 green, pin 3 blue, pin 14 white/black vertical, pin 13 gray horizontal
- 5 BNCs to HDDB15-pin male
- Color: black

73648

Part No.	Description	1	5	25
73648	6' cable	$14.95	$13.49	$11.95
118068	10' cable	8.95	7.95	6.95

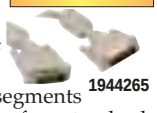
JAMECO ValuePro

DVI Cables

1944257

★Web Code: EEM

Digital Video Interface (DVI) provides a high-speed digital connection for visual data types that are display technology independent. The DVI specifications meet the needs of all segments of the PC industry and will enable these different segments to unite around one monitor interface standard.


1944265

1944257: DVI male analog to HD15 male VGA
320346/1944265: DVI male digital to DVI male digital

✪ Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	25
1944257	DVI to VGA 2 metersℛ ✪	$8.95	$7.95	$6.95
320346	Single link 2 meters	3.95	3.49	3.15
1944265	Dual link 3 metersℛ	13.95	12.49	11.25

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www.Jameco.com/Clearance

* JVP = Jameco ValuePro | MST = Monster | ✦ = Manufacturer Varies

ℛ RoHS compliant product ✦ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

JAMECO ValuePro

HDMI Cables & Adapters

★Web Code: DEM

High Definition Multimedia Interface (HDMI) is the industry supported, uncompressed, all digital audio/video interface. HDMI provides an interface between any audio/video source, such as set-top box, DVD players, A/V receivers, audio/video monitors, DTV, HDTV, and plasma monitor.

1944142

1944177

1944206

1944214

1944222

1944231

1944249

Part No.	Product No.	Description	1	5	25
1944142	10HM-01128-01ℛ	Male to male, 1 meter	$10.95	$9.95	$8.95
1944151	10HM-01128-02ℛ	Male to male, 2 meters	12.95	11.49	9.95
1944169	10HM-01128-05ℛ	Male to male, 5 meters	17.95	15.95	14.49
1944177	10HM-15128-01ℛ	Male to DVI-D single link, 1 meter	9.95	8.95	7.95
1944185	10HM-15128-02ℛ	Male to DVI-D single link, 2 meters	11.95	10.95	9.95
1944193	10HM-15128-05ℛ	Male to DVI-D single link, 5 meters	16.95	15.25	13.75
1944206	30HM-15228-MOℛ	HDMI M to DVI F video adapter	9.95	8.95	7.95
1944214	30HM-15328-MOℛ	HDMI F to DVI M video adapter	9.95	8.95	7.95
1944222	30HM-01100ℛ	M to M HDMI gender changer	7.95	7.25	6.49
1944231	30HM-01200ℛ	F to M HDMI gender changer	7.95	7.25	6.49
1944249	30HM-01400ℛ	F to F HDMI gender changer	7.95	7.25	6.49

Stereo, Phone, Audio Plugs & Jacks

NEW MARKED IN PINK

★Web Code: AJS

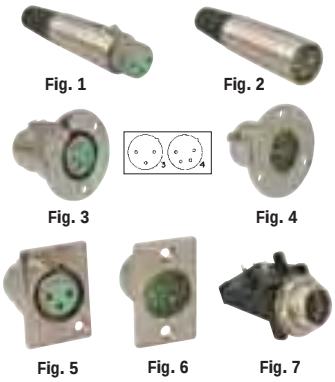
Part No.	Manufacturer	Product No.	Fig.	Description	Dimensions (mm)	1	10	100
297297	Switchcraft	850Xℛ	1	2.5mm mono phone, audio plug, black plastic	25.8L x 6.35 Dia.	$3.49	$3.15	$2.79
281869	Switchcraft	750ℛ	2	3.5mm mono audio plug, plastic	41.5L x 5.7 ID	2.95	2.65	2.39
297060	Switchcraft	170ℛ	4	1/4" commercial phone plug, metal	69.7L x 17.46 Dia.	6.95	6.25	5.65
297115	Switchcraft	228ℛ	5	1/4" flat phone plug, right angle, black	42.1L x 25.4 Dia.	3.95	3.55	2.95
281754	Switchcraft	250ℛ	6	1/4" mono phone audio plug, plastic	73.7L x 7.6 ID	3.45	3.09	2.79
281762	Switchcraft	267ℛ	7	1/4" commercial phone plug, black plastic	73.7L x 7.6 ID	4.95	4.49	3.95
281789	Switchcraft	297ℛ	8	1/4" stereo phone audio plug, metal	73.7L x 7.6 ID	4.95	4.49	3.95
281771	Switchcraft	280ℛ	3	1/4" mono phone audio plug, metal	73.7L x 7.6 ID	3.85	3.49	3.15
229876	ValuePro	JR0101BLK	9	RCA plug, metal (black stripes)	61.7L x 7.0 ID	1.95	1.75	1.49
229868	ValuePro	JR0101R	9	RCA plug, metal (red stripes)	61.7L x 7.0 ID	2.25	1.95	1.75
229884	ValuePro	JR0101W	9	RCA plug, metal (white stripes)	61.7L x 7.0 ID	2.25	1.95	1.75
230287	ValuePro	JR0101Y	10	RCA plug, yellow housing, gold plated	61.7L x 7.0 ID	.95	.85	.75
229921	ValuePro	JR1625BLK	11	RCA plug, plastic, black (5 pk)	51.5L x 5.0 ID	1.45	1.29	1.15
229930	ValuePro	JR1625R	12	RCA plug, plastic, red (5 pk)	51.5L x 5.0 ID	1.45	1.29	1.15
281800	Switchcraft	3502ℛ	13	RCA phone plug, metal	33.8L x 5.0 ID	1.95	1.75	1.59
281818	Switchcraft	3502Aℛ	14	RCA phono audio plug, nickel	42.4 x 7.3 ID	2.25	1.95	1.75
281834	Switchcraft	41ℛ	15	3.5mm audio jack	7.8L x 5.9 Dia.	1.85	1.69	1.49
568392	Switchcraft	35RAPC4BH3ℛ	16	3.5mm stereo jack, rt. angle horz., threaded†	6.0H x 11.0W x 8.0L	1.49	1.35	1.19
1766180	Switchcraft	35RAPC4BHN2ℛ	16	3.5mm stereo jack, rt. angle horz., non-threaded	5.0H x 12.0W x 15.0L	1.69	1.49	1.35
2081772	Kycon	ST3120-3-WHT	17	3.5mm stereo jack, rt. angle horz., non-threaded	10.45H x 12.0W x 6.8L	.49	.45	.39
1766198	Switchcraft	35RAPC4BV4ℛ	18	3.5mm stereo jack, rt. angle ver., threaded	12.3H x 8.1W x 14.0L	1.75	1.59	1.45
2095373	Various	HTJ-035-22D	19	3.5mm mono jack, rt. angle horz., non-threaded, blk.	10.45H x 10.0W x 14.0L	.99	.89	.79
2081334	Shogyo	354-3PY	16	3.5mm mono jack, rt. angle horz., threaded	6.35H x 12.0W x 14.0L	1.25	1.09	.99
2095437	ValuePro	J355W	20	3.5mm mono audio jack	10.1H x 8.4W x 17.6L	1.19	.99	.79
2081238	Shogyo	SCJ330	20	3.5mm mono audio jack	10.6H x 9.0W x 21.7L	1.95	1.75	1.55
281738	Switchcraft	11ℛ	21	1/4" mono phone audio jack	12.8L x 9.1 Dia.	1.85	1.69	1.49
296892	Switchcraft	12Aℛ	22	1/4" mono phone audio jack, metal	31.7L x 9.4 Dia.	1.79	1.59	1.45
296905	Switchcraft	13Bℛ	22	1/4" mono phone audio jack, metal	30.6L x 9.4 Dia.	1.89	1.69	1.55
281746	Switchcraft	12Bℛ	22	1/4" stereo phone audio jack	14.7L x 9.1 Dia.	1.89	1.69	1.55
297001	Switchcraft	121	23	1/4" mono phone audio jack, metal	63.5L x 12.7 Dia.	7.95	6.95	6.25
297123	Switchcraft	236ℛ	24	1/4" stereo phone audio jack, right angle, metal	46.4 x 15.9 ID	6.95	6.25	5.65
1581564	Keystone	901ℛ	25	RCA jack, PCB mount, right angle, black	11.8H x 10.6W x 6.8L	.49	.45	.39
1537150	Various	AJ842G2	26	RCA jack, PCB mount, rt. angle, red/white (2)	27.9H x 10.2W x 13L	.39	.35	.25
2076359	Various	AJ842G3	27	RCA jack, PCB mount, rt. angle, red/white/yellow (3)	40.6H x 22.9W x 21.6L	.59	.55	.49
220581	ValuePro	KY-006-1(W)	25	RCA jack, PCB mount, white	11.2H x 14.2W x 12.2L	.65	.59	.55
220556	ValuePro	KY-006-1(R)	25	RCA jack, PCB mount, red	11.2H x 14.2W x 12.2L	.65	.59	.55
220572	ValuePro	KY-006-1(B)	25	RCA jack, PCB mount, black	11.2H x 14.2W x 12.2L	.39	.35	.25
220564	ValuePro	KY-006-1(Y)	25	RCA jack, PCB mount, yellow	11.2H x 14.2W x 12.2L	.39	.35	.29
2076332	Various	SCJ-0358-YLW	28	RCA jack, PCB mount, yellow	9.9H x 19.1W x 13.0L	.45	.35	.25
169502	Various	SCJ-0358-BLK-Rℛ	28	RCA jack, PCB mount, black	10.2H x 21.6W x 12.7L	.55	.49	.45
319249	Velleman	CA066	29	RCA jack, 2 pair stereo, panel mount, red/white	73.7H x 12.2W x 24.9L	.95	.85	.75
159485	Various	CS7021-DN-BLK-Rℛ	30	RCA jack, panel mount, black	21.3W x 9.7H	.95	.85	.75
172340	Various	CS7021-DN-RD-Rℛ	30	RCA jack, panel mount, red	21.3W x 9.7H	.85	.75	.69

† Closed circuit

Microphone (XLR) Connectors

★Web Code: ABV

Part No.	Manufacturer	Product No.	Fig.	Description	Dimensions (mm)	1	10	25
277026	Switchcraft	A3F℞	1	3-pin female, metal	82.5 x 5.3 Dia.	$5.25	$4.75	$4.25
281560	Switchcraft	A3M℞	2	3-pin male, metal	70.3 x 5.3 Dia.	4.55	3.95	3.65
297422	Switchcraft	C3F℞	3	3-pin female, metal, panel mount	36.9 x 36.5 Dia.	7.95	7.25	6.49
297431	Switchcraft	C3M℞	4	3-pin male, metal, panel mount	30.2 x 36.3 Dia.	4.95	4.49	3.95
281640	Switchcraft	D3F℞	5	3-pin female, metal, panel mount	27.0W x 36.3H X 30.6D	5.95	5.39	4.85
281607	Switchcraft	A5F℞	1	5-pin female, metal	82.0 x 4.7 Dia.	13.95	12.55	11.29
281615	Switchcraft	A5M℞ ✪	2	5-pin male, metal	70.2 x 5.3 Dia.	10.95	9.95	8.95
281623	Switchcraft	A6F℞	1	6-pin female, metal	80.2 x 4.6 Dia.	17.95	15.95	14.35
281703	Switchcraft	D6F℞	5	6-pin female, metal, panel mount	27.0W x 26.3H x 30.6D	10.95	9.95	8.95
281711	Switchcraft	D6M℞	6	6-pin male, metal, panel mount	27.0W x 36.3H x 30.6D	9.95	8.95	7.95
1775617	Switchcraft	TRA3M℞	7	3-pin female, PCB mount	15.4W x 15.1H x 27.0D	7.75	6.95	6.25
319011	ValuePro	250-710	2	3-pin male, metal	70.6L x 7.31D	2.95	2.65	2.39
319003	ValuePro	250-720	1	3-pin female, metal	81.5L x 7.43D	2.25	1.95	1.75
319038	ValuePro	250-705	5	3-pin female, metal, panel mount	26.2W x 35.5H x 35.9D	3.45	2.95	2.65



✪ Blue Part No. = Limited Quantity Available

Audio Adapters

★Web Code: KBQ

Part No.	Manufacturer	Product No.	Description	1	10	100
309665	ValuePro	251-175	3.5mm stereo **F** jack to 3.5mm mono **M** plug	$.39	$.35	$.29
228283	ValuePro	251-120	RCA **F** jack to mono 1/4" **M** plug	.69	.59	.55
228267	ValuePro	251-116	RCA **F** to **F** jack coupler, gold plated	.59	.55	.49

AMP CPC Contacts

Type III+ Snap-In Crimp Pins w/ Retention Spring

- Finish:
  A: 30µ" gold over nickel
  B: Tin-lead
  C: 15µ" gold over nickel

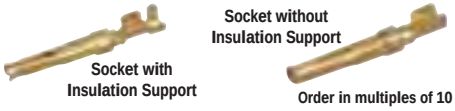
★Web Code: LEF

- Crimp type except *P/N 526424 (solder type)
- Contact body – brass or phosphor bronze

Part No.	Mfr. P/N	AWG	Finish	Type	1	10
526475	1-66360-1	18-14	A	Socket	$.85	$.75
526441	1-66361-1	18-14	A	Pin	.49	.45
859835	66361-3℞	18-14	C	Pin	.55	.49
526424	66180-1℞	18-16	A	Pin*	.85	.75
526432	66181-1	18-16	A	Socket	.95	.85
526459	66103-3℞	24-20	C	Pin	.49	.45
526563	1-66103-5	24-20	B	Pin	.49	.45
526361	1-66103-7℞	24-20	A	Pin	.59	.49
526379	66105-3℞	24-20	C	Socket	.69	.59
526504	1-66105-6	24-20	B	Socket	.49	.45

Size 20DF Contacts

- Contact body: brass
- Finish: **A:** 30µ" gold over nickel; **B:** gold flash over nickel



Order in multiples of 10

Part No.	Mfr. P/N	AWG	Finish	Type	10	100
223221	1-66505-0℞	28-24	B	Socket†	$.19	$.15
223247	745253-6℞	26-22	A	Socket†	.19	.15
223298	66504-9℞	24-20	A	Socket	.19	.15
223255	1-66504-0℞	24-20	B	Socket	.19	.15

† With insulation support

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AMP CPC Circular Plastic Connectors

Series 1 — Standard density, signal and low-current applications

- Accepts type III+; high-current type II and subminiature coax contacts
- Voltage rating: 600V (UL)

★Web Code: WBK

495091

495031 495293 495103 421382

Receptacles

Part No.	Mfr. P/N	Size/Pos	Gender	1	10
495091	206429-1℞	11-4	Reverse	$2.95	$2.65
495218	206430-1℞	11-4	Reverse	1.95	1.75
495162	206061-1℞	11-4	Standard	2.25	1.95
495293	211401-1℞	13-7	Standard	4.95	4.49
421382	206036-1℞	17-16	Standard	2.59	2.35
495146	206043-1℞	17-14	Reverse	2.59	2.29

Plugs

Part No.	Mfr. P/N	Size/Pos.	Gender	1	10
495322	206037-1℞	17-16	Standard	$3.49	$3.15
495031	206044-1℞	17-14	Reverse	2.95	2.65
495103	206708-1℞	13-9	Standard	2.95	2.65
421374	211399-1℞	13-7	Standard	2.95	2.65
495082	206060-1℞	11-4	Standard	2.79	2.49

AMP Circular Cable Clamps

Provides strain relief and can be used in all series receptacles and plugs.

- Material: thermoplastic black, UL94V-0 rated (plastic); zinc alloy (metal)

★Web Code: PCB

Part No.	Mfr. P/N	Material	Shell Size	Cable O.D.(max.)	1	10
494047	206062-3	Plastic	28	.329"	$3.49	$3.15
494039	206062-1	Plastic	28	.329"	3.75	3.35
494063	206070-1	Plastic	17	.453"	3.75	3.35
494055	206966-1	Plastic	13	.453"	3.75	3.35
749919	206966-7℞	Metal	13	.453"	3.95	3.55
494101	208945-5℞	Metal	14	.562"	7.95	6.95
494119	208945-7℞	Metal	22	.750"	10.95	9.95

AMP Extraction Tool

- Works with general contacts of CPC, multimate and MATE-N-LOCK II contacts

Part No.	Mfr. Part No.	1	10
841838	305183℞	$17.95	$15.95

D-Sub Pin Insertion/ Extraction Tools

19094/527582/223335: Plastic body; metal tips

223327: Handle with .050" hex wrench and exchangeable tips

★Web Code: BCD

Part No.	Mfr.	Product No.	1	10
19094	ValuePro	500-200	$3.95	$3.49
527582	AMP	91067-1	7.49	6.75
223335	AMP	91067-2℞	7.49	6.75
223327	AMP	91285-1℞	19.95	17.95

D-Sub Crimping Tool

- Heavy-duty metal tool with cutter and insulated handles
- For computer pins & sockets, D-sub 26-28 AWG wire; butt-insulated connectors, 22-26 AWG wire; telephone spade lugs, 22-26 AWG wire and non-insulated connectors, 20-22 AWG & 14-18 AWG
- Coiled spring return • Size: 7.3"L x 1.5"W

Part No.	Mfr. Part No.	1	5	25
99443	HT202A℞	$8.95	$7.95	$6.95

AMP AMPLIMITE™ .050" Series 2 Type B Header

- Right angle plug
- Housing: PBT black
- Cap shields: zinc, nickel over copper
- Contacts: phosphor bronze, 0.76µm gold in contact area, tin in solder area

★Web Code: BCV

Part No.	Mfr. P/N	Postions	1	5
749417	2-5174225-5℞	68	$24.95	$22.49

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

D-Subminiature Connectors

Right Angle PCB Mount

★Web Code: FAN

Metal .318" Setback – Tin plated short style

15150

Female Jack Screws

Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
1952839	Foxconn	D-SUB-9M†	9	M	$.55	$.45	$.35
104943	ValuePro℞	DB9P318	9	M	.69	.59	.49
614441	AMP	747840-4†	9	M	1.75	1.55	1.35
2076682	Various	DB9S318	9	F	.65	.55	.45
104952	ValuePro℞	DB9S318	9	F	.75	.65	.55
614504	AMP	747844-4†	9	F	1.95	1.75	1.49
614125	AMP	745781-4	9	F	2.69	2.39	2.15
71124	ValuePro	DA15P318†	15	M	.69	.59	.49
168743	ValuePro	HDDB15S318*	15	M	.79	.69	.59
77956	ValuePro	DA15S318	15	F	.79	.69	.59
1952273	Kycon	HDDSUB-15S†*	15	F	.75	.65	.55
71466	ValuePro℞	HDDB15S318*	15	F	.89	.79	.69
614539	AMP	747845-4†	15	F	2.25	1.95	1.75
1945364	Various	DSUB-25M†	25	M	.65	.55	.45
15150	ValuePro℞	DB25P318	25	M	.75	.65	.55
614230	AMP	745238-4	25	M	5.49	4.95	4.45
265439	Various	DSUB-25F	25	F	.75	.65	.55
15182	ValuePro℞	DB25S318	25	F	.85	.75	.65
446483	Cinch	DBKL-25SAT-E25†	25	F	1.09	.95	.85
614547	AMP	747846-3†	25	F	1.49	1.35	1.19
614141	AMP	745783-4	25	F	3.19	2.89	2.59
71706	ValuePro	DC37P318†	37	M	1.15	.95	.89
78182	ValuePro+	DC37S318†	37	F	1.19	1.05	.95

*High Density † Without female jack screws (P/N 172603, pg 68)

Metal Solder-Cup

★Web Code: EAB

203799

Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
15748	ValuePro℞	1001-9P-R	9	M	$.55	$.45	$.35
222990	AMP	747904-2	9	M	2.25	1.95	1.75
222957	AMP	747904-4†	9	M	2.49	2.25	1.95
15771	ValuePro	500-109	9	F	.65	.55	.45
223052	AMP	747905-2	9	F	2.25	1.95	1.75
223036	AMP	747905-4†	9	F	2.75	2.35	2.09
15035	ValuePro℞	1001-15P-R	15	M	.69	.55	.45
15078	ValuePro℞	1002-15P-R*	15	M	.95	.75	.59
223001	AMP	747908-2	15	M	2.89	2.55	2.25
15052	ValuePro℞	1001-15S-R	15	F	.75	.59	.49
164823	ValuePro℞	1002-15S-R *	15	F	.95	.75	.59
223061	AMP	747909-2	15	F	4.59	3.95	3.45
15115	ValuePro℞	1001-25P-R	25	M	.95	.79	.69
2095091	Amphenol	EDD25ST	25	M	.95	.85	.75
223010	AMP	747912-2	25	M	3.25	2.95	2.65
222973	AMP	747912-4†	25	M	3.49	3.15	2.85
458126	ValuePro℞	DB-25P1	25	M	4.59	4.15	3.75
15157	ValuePro	500-125	25	F	.95	.79	.69
223079	AMP	747913-2	25	F	3.75	3.15	2.65
223044	AMP	747913-4†	25	F	4.45	3.95	3.65
203799	ValuePro	1002-26P*	26	M	.85	.69	.55
203782	ValuePro℞	1002-26S-R *	26	F	.95	.75	.59
639630	Amphenol	EDC37P	37	M	.85	.65	.55
15473	ValuePro℞	1002-37P	37	M	1.35	1.15	.95
223028	AMP	747916-2	37	M	4.95	4.45	3.95
222981	AMP	747916-4†	37	M	4.95	4.49	3.95
482724	Amphenol	EDC37S	37	F	.95	.75	.55
15500	ValuePro℞	GC028-R℞	37	F	1.25	1.09	.95
223087	AMP	747917-2	37	F	6.75	5.95	5.25
482732	Amphenol	EDD50P	50	M	.95	.79	.65
15676	ValuePro℞	GC029-R	50	M	1.95	1.69	1.49
482741	Amphenol	EDD50S	50	F	1.09	.85	.59
15691	ValuePro	GC030	50	F	1.69	1.39	1.15

*High Density † Zinc plated shell 1 With standard mounting hole

Right Angle PCB Mount

★Web Code: HAN

Metal .590" Set Back – Tin plated long style

- Current rating: 1A

104978

Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
104970	ValuePro℞	DB9P590	9	M	$.95	$.85	$.75
104978	ValuePro℞	DB9S590	9	F	.95	.85	.75
104985	Astron	DA15P590†	15	M	.95	.75	.65
104993	ValuePro+	DA15S590†	15	F	1.19	.95	.75
189624	Various	DB25P590††	25	M	1.19	.95	.75
105006	ValuePro℞	DB25P590	25	M	1.49	1.25	1.09
105013	ValuePro+	DB25S590†	25	F	1.29	1.09	.85

† Without female jack screws (P/N 172603, pg 68) †† Without board tabs

Metal Straight PCB Mount

★Web Code: SBK

2077491

Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
111692	ValuePro℞	DB9PPCB	9	M	$.55	$.45	$.35
15781	ValuePro℞	DB9SPCB	9	F	.59	.49	.39
176760	ValuePro	DA15PPCB	15	M	.65	.55	.45
2077491	Various℞	DAHD15SPCB*	15	F	.55	.45	.39
176752	ValuePro℞	DA15SPCB	15	F	.65	.55	.45
15123	ValuePro℞	DB25PPCB	25	M	.75	.65	.55
15165	ValuePro	DB25SPCB	25	F	.79	.69	.59
180013	ValuePro	DC37PPCB	37	M	1.09	.95	.79
180021	ValuePro	DC37SPCB	37	F	1.25	1.09	.95

* High Density

Crimp-Type

★Web Code: UBR

180890

38771

Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
73189	ValuePro	500-010	9	M	$.49	$.39	$.35
222640	AMP	205204-1	9	M	1.15	.95	.85
73197	ValuePro	500-110	9	F	.55	.45	.35
222842	AMP℞	205203-3	9	F	.85	.75	.65
222691	AMP	205203-1	9	F	1.09	.95	.75
222797	AMP℞	205204-4	9	M	.85	.75	.65
73200	ValuePro	G37-15	15	M	.55	.45	.35
180882	ValuePro℞	1006-15P-R*	15	M	.85	.75	.65
222703	AMP℞	205205-1	15	M	1.05	.89	.79
222658	AMP	205206-1	15	M	1.19	.95	.79
73219	ValuePro℞	G1G125-R	15	F	.65	.55	.45
222914	AMP℞	205205-2	15	F	.75	.65	.55
180890	ValuePro	1006-15S*	15	F	.85	.75	.65
38789	ValuePro	500-027	25	M	.65	.55	.45
222818	AMP℞	207464-2	25	M	.79	.65	.55
38771	ValuePro	500-127	25	F	.65	.55	.45
222922	AMP℞	207463-1	25	F	.95	.85	.75
222789	AMP	205210-2	37	M	1.95	1.75	1.49
222834	AMP	205212-3	50	M	1.49	1.35	1.19

* High Density

IDC Ribbon Cable

★Web Code: MAP

- Contact material: phosphor bronze
- Terminates with standard D-type connectors

109226

614387

Part No.	Manufacturer	Product No.	Shell	Cont.	Gender	1	10	100
109226	ValuePro℞	MDB9P†	Metal	9	M	$1.75	$1.49	$1.25
12504	ValuePro℞	CDB9P	Plastic	9	M	2.25	1.95	1.75
109218	ValuePro℞	MDB9S †	Metal	9	F	1.85	1.65	1.45
12521	ValuePro℞	CDB9S	Plastic	9	F	2.49	2.25	1.95
614387	AMP	747318-41	Plastic	9	F	4.49	3.95	3.49
1577961	3M℞	8309-6000	Metal	9	F	4.49	4.25	3.95
614328	AMP℞	747303-4	Metal	9	F	5.95	5.35	4.79
117382	ValuePro℞	MDA15P	Metal	15	M	1.75	1.49	1.29

† Requires flat cable w/ .0625" centers 1 With standard mounting holes

Continued on next page

D-Subminiature Connectors (Continued)

★ Web Code: MAP

IDC Ribbon Cable (Continued)

Part No.	Manufacturer	Product No.	Shell	Cont.	Gender	1	10	100
12299	ValuePro	CDA15P℞	Plastic	15	M	$1.95	$1.75	$1.49
116012	ValuePro	MDA15S℞	Metal	15	F	1.95	1.75	1.49
12319	ValuePro	CDA15S	Plastic	15	F	2.25	1.95	1.75
115984	ValuePro	MDB25P℞	Metal	25	M	2.39	2.09	1.79
614344	AMP	747306-2	Metal	25	M	5.95	5.35	4.79
12335	ValuePro	CDB25P	Plastic	25	M	1.89	1.75	1.49
115976	ValuePro	MDB25S℞	Metal	25	F	2.25	1.95	1.75

IDC Ribbon Cable (Continued)

Part No.	Manufacturer	Product No.	Shell	Cont.	Gender	1	10	100
12432	ValuePro	CDB25S℞	Plastic	25	F	$2.25	$1.95	$1.75
614301	AMP	747303-2	Metal	25	F	5.95	4.95	4.49
115992	ValuePro	MDC37P℞	Metal	37	M	2.95	2.65	2.35
614336	AMP	747306-1℞	Metal	37	M	9.95	9.49	8.95
12466	ValuePro	CDC37P	Plastic	37	M	3.49	2.95	2.49
116004	ValuePro	MDC37S℞	Metal	37	F	3.49	2.95	2.49
12483	ValuePro	CDC37S℞	Plastic	37	F	3.49	2.95	2.49

D-Sub Contacts

★ Web Code: JDC

Fig. 1 (female) Fig. 2 (male)
Without Insulation Support

Fig. 3 (female) Fig. 4 (male)
With Insulation Support

Fig. 5 (female) Fig. 6 (male)

Female Solder Contact – Fig. 1

Order in multiples of 10

Part No.	Mfr.	Product No.	AWG	10	100	500
223319	AMP	66569-3℞	18	$.35	$.29	$.25

Male Solder Contact – Fig. 2

Order in multiples of 10

Part No.	Mfr.	Product No.	AWG	10	100	500
234982	AMP	66570-3℞	28-24	$.29	$.25	$.19

Female Crimp Contacts – Fig. 3

Order in multiples of 10

Part No.	Mfr.	Product No.	AWG	10	100	1000
43369	ValuePro	500-155	28-24	$.12	$.09	$.08
185412	ValuePro	1006-PS†	28-24	.09	.07	.05
223221	AMP	1-66505-0℞	28-24	.19	.15	.12
223239	AMP	66683-4℞	28-24	.25	.19	.15
223247	AMP	745253-6℞	26-22	.19	.15	.12
860001	AMP	66504-4℞	24-20	.09	.08	.07
223298	AMP	66504-9℞	24-20	.19	.15	.12
223255	AMP	1-66504-0℞	24-20	.19	.15	.12
223271	AMP	5-66504-7	24-20	.19	.15	.12
223263	AMP	205201-7℞#	24-20	.19	.15	.12

† Use with 180890, pg 67 # Without insulation support

Male Crimp Contacts– Fig. 4

Order in multiples of 10

Part No.	Mfr.	Product No.	AWG	10	100	1000
185421	ValuePro	1006-PP†	28-24	$.09	$.08	$.07
43377	ValuePro	500-055	28-24	.12	.09	.08
223108	AMP	66507-9℞	28-24	.19	.15	.12
223095	AMP	1-66507-0℞	28-24	.19	.15	.12
223124	AMP	66682-4℞	28-24	.19	.15	.15
223141	AMP	745254-6℞	26-22	.15	.12	.10
223132	AMP	745254-7℞	26-22	.29	.25	.19
223191	AMP	66506-9℞	24-20	.19	.15	.12
223167	AMP	1-66506-0℞	24-20	.19	.15	.12
838399	AMP	2-66506-4℞	24-20	.09	.08	.07
223183	AMP	5-66506-9	24-20	.19	.15	.12
223175	AMP	205202-7℞	24-20	.35	.29	.25

† Use with 180882, pg 67

Female Crimp Contact (M39029/63-368) – Fig. 5

• Machined

Part No.	Mfr.	Product No.	1	10	100
449351	AMP	205090-1℞	$.55	$.45	$.39

Male Crimp Contact (M39029/64-369) – Fig. 6

• Machined

Part No.	Mfr.	Product No.	1	10	100
449342	AMP	205089-1℞	$.49	$.39	$.35

AMP D-Sub Enclosure Kit

• Kit includes: (2) 4-40 jack screw (zinc alloy), lack themophastic connector insert, steel tin plated inner and outer shell, black PVC enclosure, 62-pin male D-sub connector

Part No.	Product No.	1	10	100
837986	748476-1℞	$15.95	$13.49	$11.49

.050" (1.27mm) Pitch LFH™ Matrix 50 Shielded Receptacle

60 Circuit, Vertical

molex

- Same size as 15-pin D-sub for standard panel cut-outs and hardware use
- Volt./current: 40V @ 1A
- Contact resistance: 20mΩ max.
- Insulation resistance: 100MΩ min.
- Housing: glass filled polymer, UL94V-0
- Contact: beryllium copper alloy
- Plating: 30µ" min. gold over nickel in contact area, 100µ" min. tin/lead over nickel in PC tail area, 150µ" min. bright tin over nickel all over copper flash on shields

Part No.	Mfr. No.	1	10	100
802222	70928-0002℞	$14.75	$13.95	$13.39

D-Sub Connector Hoods

JAMECO ValuePro

★ Web Code: DAB

25620 Metallized

230893 Plastic

15086 Plastic

- Use with D-sub solder cup and housing style connectors (hardware included)

D Series: Plastic hood with strain relief (gray)
MD Series: Metal coated plastic hood w/ strain relief
MH Series: Die-cast metal hood with strain relief

Part No.	Mfr.	Product No.	Pins	1	10	100
15722	ValuePro	DB9H℞	9	$.59	$.49	$.39
25620	ValuePro	MDB9H	9	.65	.55	.45
147741	ValuePro	MHDB9℞	9	1.59	1.39	1.19
230893	AMP	205729-1†	9	2.49	2.25	1.95
15019	ValuePro	DA15H℞	15	.75	.59	.49
25567	ValuePro	MDA15H℞	15	.89	.69	.59
15086	ValuePro	DB25H℞	25	.59	.49	.39
25604	ValuePro	MDB25H℞	25	.89	.69	.59
15107	ValuePro	MHDB25℞	25	2.25	1.95	1.75
230914	AMP	205718-1†	25	2.19	1.95	1.85
15457	ValuePro	DC37H℞	37	.95	.79	.65
25612	ValuePro	MDC37H℞	37	.95	.79	.65
15660	ValuePro	DD50H℞	50	1.25	1.09	.95
230931	AMP	205732-1†	50	3.09	2.59	1.95

† Plastic clam shell hood (black)

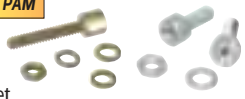
Hardware for D-Sub Connector Hoods

102808

16548

★ Web Code: PAM

4-40 Screw Sets


444912 1575931

102808: 4-40 screw (.385"L) and retainer set
16548: 4-40 x .187" jack screw (.31"L thread), washer, lock washer and hex nut set
444912: (2) washers, lockwasher, hex nut and screw locks are steel with zinc plating and yellow chromate finish
1575931: (2) nut-4-40 UNC, lock washer, 0.03" dia. spacer, jack socket screw

✳ Order in multiples of 10

Part No.	Mfr.	Product No.	1	10	100
102808	ValuePro	14-553 ✳	$.49	$.45	
16548	ValuePro℞	14-522 ✳	.49	.45	
444912	Cinch	D20418-39	1.69	1.49	1.35
1575931	3M	3341-1S	2.49	2.25	1.95

172603

102796

125015

4-40 x .187" Jack Screws

✳ Order in multiples of 10

Part No.	Mfr.	Prod. No.	Length	1	10	100
839252	AMP℞	5207953-3	.250"	$.29	$.25	$.19
169931	ValuePro	HS4.75X118	.275" ✳		.19	.15
172603	ValuePro	JS44031L	.315" ✳		.19	.15
1582209	Keystone℞	7230	.315"†	.25	.19	.15
1582508	Keystone℞	7230-5	.315"§	.29	.25	.19
102816	ValuePro	556-L15.7	.435"	.45	.39	.35
108987	ValuePro℞	556-L18	.515"	.49	.45	.39

† Zinc § Chrome

4-40 x .187" Standoffs

175636	ValuePro	2052-440-S-0	.187"	$.25	$.19	$.15
102796	ValuePro℞	14-552-R	.235"	.35	.29	.25

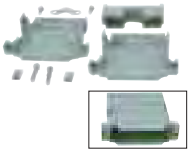
4-40 Thumbscrews

125015	ValuePro℞	GTW520-R	1.65"	$.29	$.25	$.19
614424	AMP	747784-3	1.92"	1.69	1.55	1.39

25-Pin Dual Plastic Hood

JAMECO ValuePro

Designed for custom applications requiring two D-sub connectors. Applications include custom jumper boxes and interconnects.



Part No.	Description	1	10	100
34091	25-pin hood	$.95	$.85	$.75

★ D-Sub Junction Shells Online — Enter Web Code JEM

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Power Connectors

- 5.03mm (.198") pitch
- Passive friction lock
- Housing: nylon; UL94V-2
- Temperature range: -40˚C to +105˚C
- Contact retention to housing: 20 lbs. min.

Free Hanging Plug (Matrix)

Panel Mount Plug (In-line)

Free Hanging Receptacle (Matrix)

Panel Mount Receptacle (In-line)

PCB Header (In-line)

PCB Header (Matrix)

molex .062" (1.57mm) Plugs

★Web Code: HBL

- Current: 5.0A

Part No.	Mfr. No.	Circuits	Type	Pattern	Mating Conn.	1	10	100
224477	03-06-2011ℛ	1	Free hanging	In-line	224397	$.25	$.12	$.09
224485	03-06-2023ℛ	2	Free hanging	In-line	224400	.25	.15	.12
229948	03-06-2024ℛ	2	Panel mount	In-line	229956	.29	.19	.15
224493	03-06-2032ℛ	3	Free hanging	In-line	224418	.39	.35	.25
229964	03-06-2033ℛ	3	Panel mount	In-line	229972	.39	.35	.25
224506	03-06-2042ℛ	4	Free hanging	In-line	224426	.39	.35	.25
224514	03-06-2044ℛ	4	Free hanging	Matrix	224434	.39	.35	.29
224522	03-06-2061ℛ	6	Free hanging	Matrix	224442	.39	.35	.29
230041	03-06-2062ℛ	6	Panel mount	Matrix	230050	.39	.35	.25
224531	03-06-2092ℛ	9	Free hanging	Matrix	224451	.49	.45	.39

molex .062" (1.57mm) Receptacles

★Web Code: HBL

Part No.	Mfr. No.	Circuits	Type	Pattern	Mating Conn.	1	10	100
224397	03-06-1011ℛ	1	Free hanging	In-line	224477	$.25	$.12	$.09
224400	03-06-1023ℛ	2	Free hanging	In-line	224485	.25	.15	.12
229956	03-06-1022ℛ	2	Panel mount	In-line	229948	.25	.19	.15
224418	03-06-1032ℛ	3	Free hanging	In-line	224493	.25	.19	.15
229972	03-06-1038ℛ	3	Panel mount	In-line	229964	.29	.25	.19
224426	03-06-1042ℛ	4	Free hanging	In-line	224506	.35	.29	.25
224434	03-06-1044ℛ	4	Free hanging	Matrix	224514	.39	.35	.25
224442	03-06-1062ℛ	6	Free hanging	Matrix	224522	.45	.35	.29
230050	03-06-1061ℛ	6	Panel mount	Matrix	230041	.45	.35	.29
224451	03-06-1092ℛ	9	Free hanging	Matrix	224531	.45	.35	.29

JAMECO ValuePro .084" (2.13mm) Plugs

Part No.	Cross Ref. No.	Circuits	Type	Pattern	Mating Conn.	1	10	100
379276	50-84-1060ℛ	6	Free hanging	Matrix	379348	$.25	$.19	$.15
379305	50-84-1150ℛ	15	Free hanging	Matrix	379372	.35	.29	.25

JAMECO ValuePro .084" (2.13mm) Receptacles

Part No.	Cross Ref. No.	Circuits	Type	Pattern	Mating Conn.	1	10	100
379381	10-84-4020ℛ	2	PCB	In-line	—	$.25	$.19	$.15
379401	10-84-4030ℛ	3	PCB	In-line	—	.25	.19	.15
379428	10-84-4040ℛ	4	PCB	In-line	—	.29	.25	.19
379444	10-84-4060ℛ	6	PCB	Matrix	—	.35	.29	.25
379461	10-84-4090ℛ	9	PCB	Matrix	—	.49	.45	.39
379487	10-84-4120ℛ	12	PCB	Matrix	—	.89	.69	.59

molex .093" (2.36mm) Plugs

★Web Code: CBL

- Current: 12A/circuit

Part No.	Mfr. No.	Circuits	Type	Pattern	Mating Conn.	1	10	100
224071	03-09-2022ℛ	2	Free hanging	In-line	224143	$.25	$.19	$.15
224080	03-09-2032ℛ	3	Free hanging	In-line	224151	.29	.25	.19
224098	03-09-2042ℛ	4	Free hanging	In-line	224160	.35	.29	.25
229825	03-09-2049ℛ	4	Free hanging	Matrix	229817	.49	.45	.39
230148	03-09-2041ℛ	4	Panel mount	In-line	230156	.35	.29	.25
224101	03-09-2062ℛ	6	Free hanging	Matrix	224178	.39	.35	.25
743234	19-09-2068ℛ†	6	Panel mount	In-line	743189	.35	.29	.25
224119	03-09-2092ℛ#	9	Free hanging	Matrix	224186	.39	.35	.25
224127	03-09-2121ℛ	12	Free hanging	Matrix	224186	.39	.35	.29

† 6.71mm (.264") pitch # Positive lock, not detent lock

molex .093" (2.36mm) Receptacles

★Web Code: CBL

Part No.	Mfr. No.	Circuits	Type	Pattern	Mating Conn.	1	10	100
224143	03-09-1022ℛ	2	Free hanging	In-line	224071	$.25	$.19	$.15
230130	03-09-1081ℛ	3	Free hanging	In-line	224080	.29	.25	.19
224151	03-09-1032ℛ	3	Free hanging	In-line	224080	.29	.25	.19
224160	03-09-1042ℛ	4	Free hanging	In-line	224098	.35	.29	.25
229817	03-09-1049ℛ	4	Free hanging	Matrix	229825	.35	.29	.25
230156	03-09-1041ℛ	4	Panel mount	In-line	230148	.35	.29	.25
224178	03-09-1064ℛ	6	Free hanging	Matrix	224101	.39	.35	.29
224186	03-09-1094ℛ	9	Free hanging	Matrix	224119	.45	.39	.35

JAMECO ValuePro .084" (2.13mm) Vertical Male Headers

Part No.	Cross Ref. No.	Circuits	Type	Pattern	Mating Conn.	1	10	100
379321	50-84-2030ℛ	3	Panel mount	In-line	—	$.25	$.15	$.12
379330	50-84-2040ℛ	4	Panel mount	In-line	—	.25	.15	.12
379348	50-84-2060ℛ	6	Panel mount	Matrix	379276	.25	.15	.12
379356	50-84-2090ℛ	9	Panel mount	Matrix	—	.25	.19	.15
379364	50-84-2120ℛ	12	Panel mount	Matrix	—	.29	.25	.19
379372	50-84-2150ℛ	15	Panel mount	Matrix	379305	.35	.29	.25

JAMECO ValuePro .084" (2.13mm) Vertical Female Headers

Part No.	Cross Ref. No.	Circuits	Type	Pattern	Mating Conn.	1	10	100
379399	10-84-4022ℛ	2	PCB	In-line	—	$.25	$.19	$.15
379410	10-84-4032ℛ	3	PCB	In-line	—	.25	.19	.15
379436	10-84-4042ℛ	4	PCB	In-line	—	.29	.25	.19
379452	10-84-4062ℛ	6	PCB	Matrix	—	.35	.29	.25
379479	10-84-4092ℛ	9	PCB	Matrix	—	.45	.39	.35
379495	10-84-4122ℛ	12	PCB	Matrix	—	.59	.55	.49
379516	10-84-4152ℛ	15	PCB	Matrix	—	.75	.65	.55

Power Connector Contacts

molex JAMECO ValuePro

★Web Code: JBL

- Contact: brass or phosphor bronze
- Temp. range: -40˚C to +105˚C
- Tin plating

Crimp-Type Male

Solder-Tail Male

Crimp-Type Female

Solder-Tail Female

.062" (1.57mm) Bulk

Order in multiples of 10

Part No.	Mfr.	Cross Ref. No.	Description	Gender	AWG	10	100	1000
224581	Molex	02-06-2132ℛ	Crimp type	M	24-30	$.09	$.07	$.05
224573	Molex	02-06-1132ℛ	Crimp type	F	24-30	.09	.07	.05
224565	Molex	02-06-2103ℛ	Crimp type	M	18-24	.09	.07	.05
224557	Molex	02-06-1103ℛ	Crimp type	F	18-24	.09	.07	.05
227379	Molex	02-06-8103ℛ	Solder tail	M	—	.09	.08	.07
227387	Molex	02-06-7103ℛ	Solder tail	F	—	.09	.08	.07

.084" (2.13mm) Bulk

401314	ValuePro	02-08-1002Cℛ	Crimp type	F	12-14	$.09	$.08	$.07
401331	ValuePro	02-08-1004Cℛ	Crimp type	F	12-14	.09	.08	.07
379524	ValuePro	02-08-1002Bℛ	Crimp type	F	16-20	.09	.08	.07

.084" (2.13mm) Bulk (Continued)

Order in multiples of 10

Part No.	Mfr.	Cross Ref. No.	Description	Gender	AWG	10	100	1000
379532	ValuePro	02-08-1004Bℛ	Crimp type	F	16-20	$.09	$.08	$.07
401306	ValuePro	02-08-1002Aℛ	Crimp type	F	18-22	.09	.08	.07
401322	ValuePro	02-08-1004Aℛ	Crimp type	F	18-22	.09	.08	.07
401357	ValuePro	02-08-2004SCℛ	Crimp type	M	12-14	.09	.08	.07
401373	ValuePro	02-08-2004LCℛ	Crimp type	M	12-14	.09	.08	.07
379541	ValuePro	02-08-2004SBℛ	Crimp type	M	16-20	.09	.08	.07
401349	ValuePro	02-08-2004SAℛ	Crimp type	M	18-22	.09	.08	.07
401365	ValuePro	02-08-2004LAℛ	Crimp type	M	18-22	.09	.08	.07

.093" (2.36mm) Bulk

224207	Molex	02-09-2118ℛ	Crimp type	M	18-22	$.12	$.09	$.07
224215	Molex	02-09-1119ℛ	Crimp type	F	18-22	.12	.09	.07
224223	Molex	02-09-2103ℛ	Crimp type	M	14-20	.12	.09	.07
224231	Molex	02-09-1104ℛ	Crimp type	F	14-20	.12	.09	.07
224240	Molex	02-09-2133ℛ	Solder tail	M	—	.15	.12	.09
224258	Molex	02-09-1134ℛ	Solder tail	F	—	.15	.12	.09

molex® .093" Power Connector Kits

Kit contains mating sets of housings and pins.

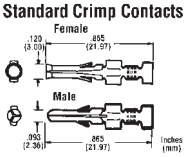
- Voltage: 250VAC • Temp. range: -40˚C to +105˚C

142181: • 3 ea. 2-pin plugs & receptacles, 8 ea. female & male contacts • Current: 12A

142201: • 2 ea. 4-pin plugs & receptacles, 10 ea. female & male contacts • Current: 9A

Receptacle Plug

Standard Crimp Contacts



★Web Code: CAV

Includes: Male and female tin-plated standard brass .010" pins; 18-22 AWG crimp size wire

Part No.	Mfr. P/N	Description	1	10	100
142181	1545	2-pin kit	$4.49	$3.95	$3.49
142201	1490	4-pin kit	4.49	3.95	3.49

JAMECO ValuePro .098" (2.49mm) Pitch AT Power Connectors

★Web Code: QAT

- Voltage rating: 250V AC/DC
- Current rating: 7A AC/DC
- Temperature range: -25˚C to 85˚C
- Withstanding volt.: 1500V/min.
- Insulation resistance: 1000MΩ min.
- For use with motherboards and power supplies • Material: nylon

78300

78300: • Size: 0.93"L x 0.37"W x 0.57"H
- Material of post: tin-plated brass
- Diameter of post: 0.09"

78327

78327: • Size: 0.94"L x 0.25"W x 0.74"H

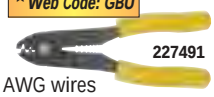
Part No.	Description	1	10	100
78300	6-pin male header	$.45	$.39	$.35
78327	6-pin female housing℞	.49	.45	.39

GC/Waldom Hand Crimp Tools

Designed to crimp terminals, strip and cut wires, and cut bolts. For Molex .062" & .093" crimp pin terminals and KK® series on page 74.

308030

★Web Code: GBU

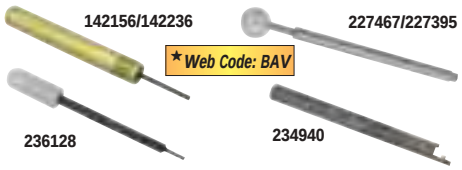

227491

308030: Cuts & strips 14-24 AWG wires

227491: Cuts & strips 18-30 AWG wires

Part No.	Mfr. P/N	Length	Color	1	5
308030	W-HT-1919	8.3"L	Red	$14.95	$13.95
227491	W-HT-1921	8.3"L	Yellow	14.95	13.95

GC/Waldom Connector Extraction Tools


142156/142236 227467/227395 236128 234940

★Web Code: BAV

Part No.	Mfr. P/N	AWG	Conn. Size	1	5
142156	W-HT-2285	14	.062"	$14.95	$12.95
227467	W-HT-2023	18-30	.062"	10.95	9.85
142236	W-HT-2038	14	.093"	14.95	12.95
227395	W-HT-2054	14-30	.093"	10.95	9.85
236128	W-HT-1884	22-30	.100"	10.95	9.49
234940	11-03-0022	22-30	.100"	7.95	6.95

★Jumpers Available Online — Enter Web Code GAQ

JAMECO ValuePro .118"-Pitch ATX Power Connectors

★Web Code: FEM

For Motherboards and Power Supplies

- Current rating: 7A AC/DC • Temperature range: -25˚C to 85˚C

147379: Material: nylon 66, UL-94VO
- Material of post: tin-plated brass • Diameter of post: 0.045"

147387: Material: nylon 66, UL-94VO

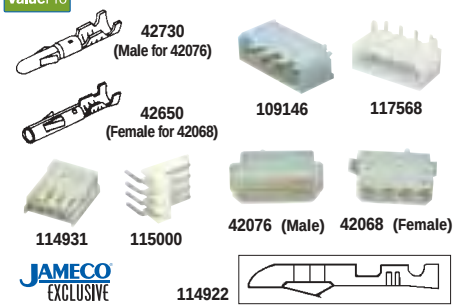
147395: Material: tin-plated brass

147379 147387 147395

✳ Order in multiples of 10

Part No.	Description	L	W	H	Dia	Use With	1	10	100	1000
147379	20-pin male connector	1.7"	0.4"	0.6"	—	—	$.59	$.55	$.49	$.45
147387	20-pin housing connector	1.7"	0.4"	0.8"	—	147395	.59	.55	.49	.45
147395	Power terminal pin, F	0.59"	—	—	0.068"	147387	✳	.15	.12	.09

JAMECO ValuePro Power Connectors & Pins


42730 (Male for 42076)
42650 (Female for 42068)
109146
117568
114931
115000
42076 (Male)
42068 (Female)
114922

JAMECO EXCLUSIVE

Connector & Housing Specifications:
- Voltage rating: 250VAC (Mate-N-Lock 600VAC)
- Operating temperature: -55°C to +105°C

Crimp Pin Specifications:
- Material: tin plated brass
- Current rating: 1.5A
- Wire size range: 18-24 AWG
- Use crimp tool P/N 99443, pg 157

★Web Code: KAP

.200" – For 5.25" Disk Drives & Power Supplies

42076 & 42068 Connector Housings:
- External key bar indicates pin 1
- Extraction tools, P/Ns 131887 & 131879 (see below)
- Keyed mating connectors

✳ Order in multiples of 10

Part No.	Description	1	10	100
109146	4-pin male vert. PCB mtg℞	$.75	$.65	$.59
117568	4-pin male PCB mntg, horiz. edge mnt℞	.95	.85	.75
42076	4-pin male housing℞	✳	.12	.09
42068	4-pin female housing℞	✳	.19	.15
42730	Male crimp pin for 42076 ℞	✳	.12	.09
42650	Female crimp pin for 42068 ℞	✳	.09	.07

.100" – For 3.5" Disk Drives & Power Supplies

✳ Order in multiples of 10

Part No.	Description	1	10	100
114931	4-pin female housing℞	$.25	$.19	$.15
114922	Female crimp pin for 114931 ℞	✳	.12	.09
115000	4-pin male rt. angle PCB mounting℞	.39	.35	.29

JAMECO ValuePro Extraction Tools for Crimp Terminals

- Quickly and easily extract .093" locking pins from interlocking connectors
- Length: 5"
- See above for crimp pins

131887

131887: Male tool for 42730, above

131879: Female tool for 42650, above

Part No.	Product No.	1	5
131887	HT319C	$9.95	$8.95
131879	HT319B℞	9.95	8.95

JAMECO ValuePro .049" (1.25mm) Pitch Headers and Housings

- Wire to board
- Blade pin
- Friction lock
- Current rating: 1A
- Contact resistance: 20mΩ max.
- Insulation resistance: 100MΩ min.
- Housing material: PA polyimide (Nylon) 6/6, UL94V-0 rated
- Contact material: phosphor bronze

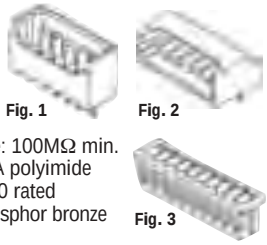


Fig. 1 Fig. 2 Fig. 3

Shrouded Vertical Headers (Fig. 1)

Part No.	Cross Ref. No.	Circuits	1	10	100
420339	53047-0210℞	2	$.25	$.19	$.15
420347	53047-0310℞	3	.25	.19	.15
420363	53047-0510℞	5	.25	.19	.15
420371	53047-0610℞	6	.29	.25	.19
420380	53047-0710℞	7	.29	.25	.19
420398	53047-0810℞	8	.29	.25	.19
420401	53047-0910℞	9	.29	.25	.19
420419	53047-1010℞	10	.29	.25	.19

Shrouded Right-Angle Headers (Fig. 2)

Part No.	Cross Ref. No.	Circuits	1	10	100
420427	53048-0210℞	2	$.25	$.19	$.15
420435	53048-0310℞	3	.25	.19	.15
420443	53048-0410℞	4	.25	.19	.15
420451	53048-0510℞	5	.25	.19	.15
420460	53048-0610℞	6	.29	.25	.19
420486	53048-0810℞	8	.29	.25	.19
420507	53048-1010℞	10	.29	.25	.19

Housings (Fig. 3)

Order in multiples of 10

Part No.	Cross Ref. No.	Circuits	10	100	500
420241	51021-0200℞	2	$.08	$.07	$.06
420259	51021-0300℞	3	.08	.07	.06
420267	51021-0400℞	4	.08	.07	.06
420275	51021-0500℞	5	.08	.07	.06
420283	51021-0600℞	6	.08	.07	.06
420291	51021-0700℞	7	.08	.07	.06
420304	51021-0800℞	8	.08	.07	.06
420312	51021-0900℞	9	.08	.07	.06
420321	51021-1000℞	10	.08	.07	.06

molex® Female Crimp Terminals

For above housings

- Contact material: phosphor bronze
- Plating contact: 0.9µm (35µ") tin
- Pre-plated

Order in multiples of 10

Part No.	Mfr. No.	AWG	10	100	1000
668457	50079-8100℞	26-28	$.09	$.08	$.07
668473	50058-8100℞	28-32	.19	.15	.12

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

.079" (2.00mm) Pitch Headers and Housings

- Voltage rating: 125V
- Contact resistance: 20mΩ max.
- Insulation resistance: 1000MΩ min.
- Housing material: PBT polyester
- Dielectric withstanding voltage: 250VAC/1 min.

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Dual Row Vertical Headers (Fig. 1)

Part No.	Cross Ref. No.	Circuits	1	10	100
378521	87758-0416ℛ	4	$.25	$.15	$.12
378530	87758-0616ℛ	6	.25	.15	.12
378548	87758-0816ℛ	8	.25	.19	.15
378556	87758-1016ℛ	10	.39	.35	.29
378564	87758-1216ℛ	12	.39	.35	.29
378572	87758-1416ℛ	14	.49	.45	.39
378581	87758-1616ℛ	16	.49	.45	.39
378599	87758-1816ℛ	18	.49	.45	.39
378601	87758-2016ℛ	20	.49	.45	.39
378610	87758-2216ℛ	22	.49	.45	.39
378628	87758-2416ℛ	24	.59	.49	.45
378636	87758-2616ℛ	26	.59	.49	.45
378652	87758-3016ℛ	30	.75	.65	.55
378708	87758-4016ℛ	40	.85	.75	.69
378724	87758-4416ℛ	44	.95	.85	.75
378759	87758-5016ℛ	50	1.19	1.05	.89

Right-Angle Headers (Fig. 2)

Part No.	Cross Ref. No.	Circuits	1	10	100
378775	87760-0616ℛ	6	$.35	$.29	$.25
378783	87760-0816ℛ	8	.35	.29	.25
378804	87760-1216ℛ	12	.49	.45	.39
378812	87760-1416ℛ	14	.55	.49	.45
378821	87760-1616ℛ	16	.55	.49	.45
378839	87760-1816ℛ	18	.59	.55	.49
378847	87760-2016ℛ	20	.59	.55	.49

Housings w/o Polarizing Key (Fig. 3)

Part No.	Cross Ref. No.	Circuits	1	10	100
377983	51110-0650ℛ	6	$.25	$.09	$.08
377991	51110-0850ℛ	8	.25	.09	.08
378003	51110-1050ℛ	10	.25	.15	.12
378011	51110-1250ℛ	12	.25	.15	.12
378020	51110-1450ℛ	14	.25	.15	.12
378038	51110-1650ℛ	16	.25	.19	.15
378046	51110-1850ℛ	18	.25	.19	.15
378054	51110-2050ℛ	20	.29	.25	.19
378062	51110-2250ℛ	22	.29	.25	.19
378071	51110-2450ℛ	24	.29	.25	.19
378089	51110-2650ℛ	26	.35	.29	.25
378097	51110-2850ℛ	28	.35	.29	.25
378100	51110-3050ℛ	30	.35	.29	.25

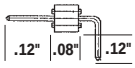
Housings w/ Polarizing Key (Fig. 4)

Part No.	Cross Ref. No.	Circuits	1	10	100
378142	51110-0851ℛ	8	$.25	$.12	$.09
378151	51110-1051ℛ	10	.25	.19	.15
378169	51110-1251ℛ	12	.25	.19	.15
378177	51110-1451ℛ	14	.25	.19	.15
378185	51110-1651ℛ	16	.25	.19	.15
378193	51110-1851ℛ	18	.29	.25	.19
378206	51110-2051ℛ	20	.29	.25	.19
378214	51110-2251ℛ	22	.35	.29	.25
378222	51110-2451ℛ	24	.35	.29	.25
378231	51110-2651ℛ	26	.35	.29	.25
378249	51110-2851ℛ	28	.39	.35	.29
378257	51110-3051ℛ	30	.39	.35	.29

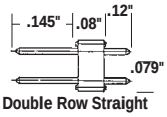
.079" (2.00mm) Male Headers

- Solder to PC boards for instant plug-in access via shorting blocks (pg 73)
- Insulator: UL94V-0 polyester
- Contact material: phosphor bronze
- Temperature range: -55°C to +120°C
- .025" square posts on a .100" x .100" matrix
- Use with crimp connector housing, pg 80
- Current rating: 1 amp • Contact area: gold

★Web Code: VMH



Single Row Right Angle



Double Row Straight

Right Angle Single Row Male Headers

Part No.	Product No.	Contacts	1	10	100	1000
2076906	079RA11	1	$.25	$.10	$.08	$.06
2076914	079RA12	2	.25	.12	.10	.08
2076922	079RA14	4	.25	.19	.15	.12
2076931	079RA15	5	.29	.25	.19	.15
2076949	079RA110	10	.59	.49	.45	.39

Straight Single Row Male Headers

Part No.	Product No.	Contacts	1	10	100	1000
2076957	079SS2	2	$.25	$.14	$.12	$.10
2077087	079SS3ℛ	3	.25	.15	.13	.11
2077095	079SS4ℛ	4	.25	.19	.15	.12
2077108	079SS6ℛ	6	.29	.25	.19	.15
2077116	079SS10ℛ	10	.49	.45	.35	.29
2077124	079SS14ℛ	14	.69	.59	.49	.39
2077132	079SS20ℛ	20	.95	.85	.69	.59

Straight Double Row Male Headers

Part No.	Product No.	Contacts	1	10	100	1000
2077141	079DH4ℛ	4	$.25	$.19	$.15	$.12
2077167	079DH6ℛ	6	.29	.25	.19	.15
2077204	079DH8ℛ	8	.39	.35	.29	.25
2076965	079DH10	10	.49	.45	.39	.35
2076973	079DH12	12	.59	.55	.49	.45
2076981	079DH14	14	.69	.65	.59	.49
2076990	079DH16	16	.79	.69	.65	.55
2077001	079DH20	20	.95	.89	.75	.65
2077010	079DH26	26	1.49	1.25	1.09	.89
2077028	079DH30	30	1.75	1.49	1.29	1.09
2077036	079DH40	40	1.95	1.75	1.59	1.39

Milli-Grid™ Female Crimp Terminal

For 51110 Series Housings on left

- Lead free
- Contact material: phosphor bronze
- Plating contact: 0.38µm (15µ") gold
- Under plating: nickel

molex

Order in multiples of 10

Part No.	Mfr. No.	AWG	10	100	1000
668465	50394-8100ℛ	24-30	$.19	$.15	$.09

.100" (2.54mm) PCB Connectors

★Web Code: YBZ

Receptacle, Top Entry with Hooks (Tin/Brass)

- Accepts 0.025" square posts
- Voltage rating: 250VAC
- Contact resistance: 40mΩ max.
- Insulation material: nylon 6/6, UL94V-2
- Withstanding voltage: 1000VAC/min.

Part No.	Mfr. Part No.	Pos.	1	10	100
688386	2405S08V000ℛ	8	$.45	$.39	$.35
688394	2405S09V000ℛ	9	.55	.49	.45

.098" (2.36mm) Post Header

AMP

Horizontal Mount

- Housing: 6/6 nylon, UL94V-0
- Posts: brass/tin

Part No.	Mfr. Part No.	Pos.	1	10	100
742320	171826-4ℛ	4	$.65	$.55	$.45

.100" (2.54mm) IDC Connectors

- Voltage rating: 250VAC
- Housing: UL94V-2 nylon
- Contact material: phosphor bronze
- Plating: tin

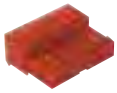


Fig. 1

Fig. 2

Fig. 3

Fig. 4

Closed-End Style

Without Polarizing Tabs (Fig. 1)

Part No.	Product No.	Pos.	AWG	Color	1	10	100
345631	640440-5	5	22	Red	$.25	$.19	$.15
345640	640440-6	6	22	Red	.25	.19	.15
345674	640440-9	9	22	Red	.25	.19	.15
345682	1-640440-0	10	22	Red	.25	.19	.15
345738	640441-6	6	24	White	.25	.19	.15
345746	640441-7	7	24	White	.25	.19	.15
345754	640441-8	8	24	White	.29	.25	.19
345762	640441-9	9	24	White	.29	.25	.19
345771	1-640441-0	10	24	White	.29	.25	.19
345800	1-640442-4	4	26	Blue	.25	.15	.12

With Polarizing Tabs (Fig. 2)

Part No.	Product No.	Pos.	AWG	Color	1	10	100
345965	643813-2	2	22	Red	$.25	$.12	$.09
345973	643813-3	3	22	Red	.25	.12	.09
345981	643813-4✪	4	22	Red	.25	.15	.12
345990	643813-5	5	22	Red	.25	.15	.12
346001	643813-6	6	22	Red	.25	.15	.12
346028	643813-8	8	22	Red	.29	.25	.19
346044	1-643813-0	10	22	Red	.29	.25	.19
346087	643814-5	5	24	White	.25	.15	.12
346095	643814-6	6	24	White	.25	.15	.12
346108	643814-7	7	24	White	.25	.19	.15
346116	643814-8	8	24	White	.25	.19	.15
346132	1-643814-0	10	24	White	.29	.25	.19

✪ Blue Part No. = Limited Quantity Available

Feed-Thru Style

Without Polarizing Tabs (Fig. 3)

Part No.	Product No.	Pos.	AWG	Color	1	10	100
346327	640620-2	2	22	Red	$.25	$.19	$.15
346335	640620-3	3	22	Red	.25	.19	.15
346343	640620-4	4	22	Red	.25	.19	.15
346351	640620-5	5	22	Red	.25	.19	.15
346360	640620-6	6	22	Red	.29	.25	.19
346378	640620-7	7	22	Red	.29	.25	.19
346394	640620-9	9	22	Red	.29	.25	.19
346407	1-640620-0	10	22	Red	.29	.25	.19
346423	640621-3	3	24	White	.25	.19	.15
346431	640621-4	4	24	White	.25	.19	.15
346440	640621-5	5	24	White	.25	.19	.15
346458	640621-6	6	24	White	.29	.25	.19
346474	640621-8	8	24	White	.29	.25	.19
346482	640621-9	9	24	White	.29	.25	.19

Continued on next page

JAMECO ValuePro

.100" (2.54mm) IDC Connectors (Cont.)

Feed-Thru Style (Cont.)

With Polarizing Tabs (Fig. 4 – Previous Page)

Part No.	Product No.	Pos.	AWG	Color	1	10	100
346685	644540-2	2	22	Red	$.25	$.19	$.15
346693	644540-3	3	22	Red	.25	.19	.15
346706	644540-4	4	22	Red	.25	.19	.15
346722	644540-6	6	22	Red	.25	.19	.15
346731	644540-7	7	22	Red	.25	.19	.15
346749	644540-8	8	22	Red	.25	.19	.15
346765	1-644540-0	10	22	Red	.25	.19	.15
346773	644563-2	2	24	White	.25	.19	.15
346781	644563-3	3	24	White	.25	.19	.15
346790	644563-4	4	24	White	.25	.19	.15
346811	644563-6	6	24	White	.25	.19	.15
346837	644563-8	8	24	White	.25	.19	.15
346853	1-644563-0	10	24	White	.25	.19	.15

AMP MTA-100 .100" (2.54mm) IDC Connectors

Closed-End Style w/o Polarizing Tabs w/ Locking Ramp

524710

- Contacts: phosphor bronze, tin-plated
- Voltage rating: 250VAC
- Current rating: 5A

★ Web Code: CCV

Part No.	Product No.	Pos.	AWG	Color	1	10	100
524710	640440-4	4	22	Red	$.25	$.19	$.15
524681	1-640440-2	12	22	Red	.55	.49	.45
524761	640441-2	2	24	White	.25	.15	.12

JAMECO ValuePro

.100" Strain Relief Covers

Fig. 1

Fig. 2

Part No.	Cross Ref.	Fig.	Style	Pos.	1	10	100
326019	643075-2	1	Closed-end	2	$.25	$.15	$.12
326027	643075-3	1	Closed-end	3	.25	.15	.12
326035	643075-4	1	Closed-end	4	.25	.15	.12
326043	643075-5	1	Closed-end	5	.25	.15	.12
326051	643075-6	1	Closed-end	6	.25	.15	.12
326060	643075-7	1	Closed-end	7	.25	.15	.12
326078	643075-8	1	Closed-end	8	.25	.15	.12
326086	643075-9	1	Closed-end	9	.25	.15	.12
326094	1-643075-0	1	Closed-end	10	.25	.15	.12
326107	643077-2	2	Feed-thru	2	.25	.15	.12
326115	643077-3	2	Feed-thru	3	.25	.15	.12
326123	643077-4	2	Feed-thru	4	.25	.15	.12
326131	643077-5	2	Feed-thru	5	.25	.15	.12
326140	643077-6	2	Feed-thru	6	.25	.15	.12
326158	643077-7	2	Feed-thru	7	.25	.15	.12
326166	643077-8	2	Feed-thru	8	.25	.15	.12
326174	643077-9	2	Feed-thru	9	.25	.15	.12
326182	1-643077-0	2	Feed-thru	10	.25	.15	.12

AMP T-Handle Tool

- For .100" (2.54mm) IDC connectors

Part No.	Mfr. P/N	Description	1	5
365974	59803-1	.100" hand tool	$21.95	$19.95

Manual Pistol Hand Grip Tool

- For use with MTA connectors

AMP

Part No.	Mfr. P/N	1	5
526635	58074-1	$64.95	$59.95

JAMECO ValuePro

.156" (3.96mm) IDC Connectors

AMP MTA-156 Series Value Equivalents

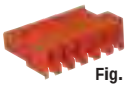


Fig. 1

Fig. 2

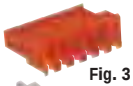


Fig. 3

Fig. 4

Fig. 5

Closed-End Style

With Locking Ramp, w/o Polarizing Tabs (Fig. 1)

Part No.	Product No.	Pos.	AWG	Color	1	10	100
397431	640426-2ℛ	2	18	Orange	$.25	$.19	$.15
397440	640426-3ℛ	3	18	Orange	.25	.19	.15
397474	640426-6ℛ	6	18	Orange	.25	.19	.15
397520	640427-2ℛ	2	20	Yellow	.25	.19	.15
397554	640427-5ℛ	5	20	Yellow	.25	.19	.15
397562	640427-6ℛ	6	20	Yellow	.25	.19	.15

With Locking Ramp, Polarizing Tabs (Fig. 2)

Part No.	Product No.	Pos.	AWG	Color	1	10	100
397618	643817-2ℛ	2	18	Orange	$.25	$.19	$.15
397626	643817-3ℛ	3	18	Orange	.25	.19	.15
397634	643817-4ℛ	4	18	Orange	.25	.19	.15
397642	643817-5ℛ	5	18	Orange	.25	.19	.15
397651	643817-6ℛ	6	18	Orange	.25	.19	.15
397706	643818-2ℛ	2	20	Yellow	.25	.19	.15
397714	643818-3ℛ	3	20	Yellow	.25	.19	.15
397722	643818-4ℛ	4	20	Yellow	.25	.19	.15
397731	643818-5ℛ	5	20	Yellow	.25	.19	.15
397749	643818-6ℛ	6	20	Yellow	.25	.19	.15

Strain Relief Covers for Closed-End Style

Part No.	Product No.	Pos.	1	10	100
398696	643067-2ℛ	2	$.25	$.15	$.12
398709	643067-3ℛ	3	.25	.15	.12
398717	643067-4ℛ	4	.25	.15	.12
398725	643067-5ℛ	5	.25	.15	.12
398733	643067-6ℛ	6	.25	.15	.12

Feed-Thru Style

With Locking Ramp, w/o Polarizing Tabs (Fig. 3)

Part No.	Product No.	Pos.	AWG	Color	1	10	100
397802	640599-3ℛ	3	18	Orange	$.25	$.19	$.15
397811	640599-4ℛ	4	18	Orange	.25	.19	.15
397829	640599-5ℛ	5	18	Orange	.25	.19	.15
397837	640599-6ℛ	6	18	Orange	.25	.19	.15
397888	640600-2ℛ	2	20	Yellow	.25	.19	.15
397909	640600-4ℛ	4	20	Yellow	.25	.19	.15
397917	640600-5ℛ	5	20	Yellow	.25	.19	.15
397925	640600-6ℛ	6	20	Yellow	.25	.19	.15

With Locking Ramp, Polarizing Tabs (Fig. 4)

Part No.	Product No.	Pos.	AWG	Color	1	10	100
397984	644465-3ℛ	3	18	Orange	$.25	$.19	$.15
397992	644465-4ℛ	4	18	Orange	.25	.19	.15
398004	644465-5ℛ	5	18	Orange	.25	.19	.15
398012	644465-6ℛ	6	18	Orange	.25	.19	.15
398063	644466-2ℛ	2	20	Yellow	.25	.19	.15
398071	644466-3ℛ	3	20	Yellow	.25	.19	.15
398080	644466-4ℛ	4	20	Yellow	.25	.19	.15
398098	644466-5ℛ	5	20	Yellow	.25	.19	.15
398101	644466-6ℛ	6	20	Yellow	.25	.19	.15

Strain Relief Covers for Feed-Thru Style (Fig. 5)

Part No.	Product No.	Pos.	1	10	100
398602	643071-2ℛ	2	$.25	$.15	$.12
398611	643071-3ℛ	3	.25	.15	.12
398629	643071-4ℛ	4	.25	.15	.12
398637	643071-5ℛ	5	.25	.15	.12
398645	643071-6ℛ	6	.25	.15	.12

Commercial MATE-N-LOK™ Connectors & Terminals

AMP

- Fully polarized nylon housing
- UL94V-2 rated housing
- Durability: 50 cycles, mating and unmating

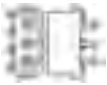


Fig. 1

Fig. 2

Fig. 3

PCB In-Line Vert. Pin Header w/ Detent Lock (Fig. 1)

Part No.	Product No.	Pos.	1	10	100
679607	350210-1ℛ	3	$.65	$.59	$.55
679674	350214-1ℛ	16	.95	.85	.75

PCB In-Line Vert. Socket Header w/ Detent (Fig. 2)

Part No.	Product No.	Pos.	1	10	100
679682	770997-1ℛ	4	$1.19	$1.05	$.95

PCB In-Line Vert. Pin Header w/ Positive Lock (Fig. 3)

Part No.	Product No.	Pos.	1	10	100
679594	350541-1ℛ	3	$1.19	$1.05	$.95
679615	350543-1ℛ	4	1.29	1.15	1.05

Fig. 4

Fig. 5

Fig. 6

PCB Dual Row Vertical Pin Header w/ Positive Lock (Fig. 4)

Part No.	Product No.	Pos.	1	10	100
679623	350425-1ℛ	6 (2 x 3)	$1.65	$1.45	$1.29
679640	1-380991-0ℛ	10 (2 x 5)	1.19	1.05	.95
679666	350214-1ℛ	16 (2 x 8)	2.79	2.49	2.25

In-Line Housing Plug, Free Hanging (Fig. 5)

Part No.	Product No.	Pos.	1	10	100
527099	1-480303-0ℛ	3	$.29	$.25	$.19
527101	1-480424-0ℛ	4	.35	.29	.25
679383	770827-1ℛ	4	.39	.35	.29

In-Line Housing Cap, Free Hanging (Fig. 6)

Part No.	Product No.	Pos.	1	10	100
679308	1-480350-0ℛ	1	$.25	$.19	$.15
679316	1-480351-0ℛ	1	.25	.19	.15
679324	1-480305-0ℛ	3	.25	.19	.15
527195	1-480426-0ℛ	4	.39	.35	.29

Fig. 7

Fig. 8

Fig. 9

In-Line Housing Plug, Free Hanging w/ Positive Lock (Fig. 7)

Part No.	Product No.	Pos.	1	10	100
679367	1-480721-0ℛ	3	$.85	$.75	$.69
679375	1-480722-0ℛ	4	.49	.45	.39

Dual Row Housing Cap w/ Positive Lock (Fig. 8)

Part No.	Product No.	Pos.	1	10	100
679332	1-480340-0ℛ	6 (2 x 3)	$.39	$.35	$.29
679341	1-480345-0ℛ	8 (2 x 4)	.45	.39	.35
679359	1-480339-0ℛ	10 (2 x 5)	.85	.75	.65

Motor Mount, Dual Row Plug w/ Positive Lock (Fig. 9)

Part No.	Product No.	Pos.	1	10	100
679391	1-480283-0ℛ	8 (2 x 3)	$.59	$.55	$.49
679404	1-480285-0ℛ	10 (2 x 5)	.69	.59	.55
679412	1-480287-0ℛ	12 (2 x 6)	.79	.69	.65
679421	1-480438-0ℛ	16 (2 x 8)	.95	.85	.75

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

AMP Commercial MATE-N-LOK™ Connectors & Terminals (Cont.)

Fig. 10

Fig. 11

Fig. 12

Fig. 13

Fig. 14

Fig. 15

Motor Mount, Dual Row Cap with Positive Lock (Fig. 10)

Part No.	Product No.	Pos.	1	10	100
679527	1-480271-0ℛ	6 (2 x 3)	$.35	$.29	$.25
679535	1-480284-0ℛ	8 (2 x 4)	.39	.35	.29
679543	1-480286-0ℛ	10 (2 x 5)	1.59	1.45	1.29
679551	1-480288-0ℛ	12 (2 x 6)	.49	.45	.39
679560	1-480439-0ℛ	16 (2 x 8)	.75	.65	.55

Panel Mount Housing Plug with Positive Lock (Fig. 11)

679471	1-480304-0ℛ	3 (1 x 3)	$.29	$.25	$.19
679480	1-480273-0ℛ	6 (3 x 2)	.39	.35	.29
679498	1-480274-0ℛ	9 (3 x 3)	.95	.85	.75
679501	1-480275-0ℛ	12 (3 x 4)	.55	.49	.45
679519	1-480323-0ℛ	15 (3 x 5)	.75	.65	.59

Panel Mount Housing Cap with Positive Lock (Fig. 12)

679439	1-480276-0ℛ	6 (3 x 2)	$.45	$.39	$.35
679447	1-480277-0ℛ	9 (3 x 3)	.55	.49	.45
679463	1-480324-0ℛ	15 (3 x 5)	.75	.65	.55

Vertical In-Line IDC (Fig. 13)

Part No.	Product No.	Pos.	AWG	1	10	100
679691	770156-4ℛ	4	20	$.69	$.59	$.49
679703	770156-3ℛ	4	18	.69	.59	.49

IDC Dust Covers (Fig. 14)

Part No.	Product No.	Pos.	Style	1	10	100
679711	770232-1ℛ	4	Feed-to	$.25	$.19	$.15
679720	770233-1ℛ	4	Feed-thru	.29	.25	.19

Crimp Terminals (Fig. 15)

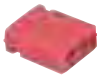
- Material:
  A–brass pre-tin; B–brass, gold
  C–phosphor bronze/pre-tin

Order in multiples of 10

Part No.	Product No.	Type	AWG	Material	10	100
526150	60617-1ℛ	Socket	24-18	A	$.09	$.08
679578	60618-5ℛ	Pin	24-18	B	.85	.75
526168	60619-1ℛ	Socket	20-14	A	.15	.12
526125	60620-1ℛ	Pin	20-14	A	.15	.12
847009	350922-3ℛ	Pin	12-10	C	.19	.15
845652	350536-3ℛ	Socket	20-14	C	.09	.08

JAMECO ValuePro .100" & 2mm Shorting Blocks

22023 (open)


112432 (closed)

152671 (closed)

- Mates to .025" square posts on .100" centers
- Shorts headers/jumper blocks or color code strip line plugs
- Mate with male headers, above
- Pin material: phosphor bronze

★Web Code: MAC

Open: Open on top to allow for a test point
Closed: Closed top
119264: 2mm (for disk drives)

Order in multiples of 10

Part No.	Description	10	100	500
22023	Top open, black (.100")+	$.10	$.07	$.05
119264	Top open, black (2mm)ℛ	.12	.09	.07
112425	Top open, blue (.100")ℛ	.10	.07	.05
112417	Top open, red (.100")ℛ	.10	.07	.05
19141	Top closed, black (.100")ℛ	.10	.07	.05
112442	Top closed, blue (.100")ℛ	.10	.07	.05
112432	Top closed, red (.100")+	.10	.07	.05
152671	Top closed, black (.100")ℛ	.15	.12	.09

AMP AMPMODU™ Shunt

- 2 position low profile
- 94V-0 rated housing • Black
- Contact: phosphor bronze
- One-piece contact construction

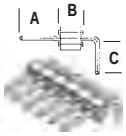
Order in multiples of 10

Part No.	Product No.	Plating	10	100	500
421454	382811-8ℛ	5µ" gold	$.15	$.12	$.09

.100" (2.54mm) Male Headers

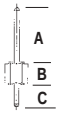
AMP molex Leoco

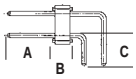
Right Angle Single Row



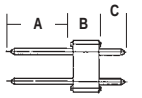
†Right Angle Single Row

Straight Single Row





Right Angle Double Row



Straight Double Row

Right Angle Single Row Male Headers

★Web Code: DAH

Part No.	Manufacturer	Cross Ref. No.	Pos.	Size (A"xB"xC")	Plating	1	10	100
2076842	Various	RMH5	5	.27 x .10 x .12	Gold	$.35	$.29	$.25
2076851	Various	RMH6	6	.27 x .10 x .12	Gold	.35	.29	.25
153728	ValuePro	RMH8	8	.27 x .10 x .12	Gold	.39	.35	.29
2076869	Various	RMH26	26	.27 x .10 x .12	Gold	.55	.45	.35
103271	ValuePro	RMH36 (LP)ℛ †	36	.23 x .10 x .12	Gold	.95	.79	.65
1946041	ValuePro	RMH36AR(type A)ℛ	36	.27 x .10 x .22	Gold	.85	.69	.55

† Low profile

Straight Single Row Male Headers

★Web Code: TAM

Part No.	Manufacturer	Cross Ref. No.	Pos.	Size (A"xB"xC")*	Plating	1	10	100
2076797	Various	SMH01	1	.23 x .10 x .12	Gold	$.25	$.12	$.09
222966	Various	SMH01GT-43ℛ	1	.43 x .10 x .12	Gold/Tin	.25	.14	.11
879406	Molex	22-28-4020ℛ	2	.23 x .10 x .12	Tin	.25	.19	.15
108337	Various	SMH02+	2	.23 x .10 x .12	Gold	.25	.19	.15
421489	AMP	103185-3	3	.23 x .09 x .12	Gold/Tin	.29	.25	.19
109575	Various	SMH03+	3	.23 x .10 x .12	Gold	.29	.25	.19
687148	Leoco	2556P03JL62ℛ	3	.23 x .10 x .12	Gold/Tin	.25	.15	.12
117559	Various	SMH04+	4	.23 x .10 x .12	Gold	.29	.25	.19
2076789	Various	SMH05	5	.23 x .10 x .12	Gold	.25	.19	.15
153699	Various	SMH06+	6	.23 x .10 x .12	Gold	.29	.25	.19
2076800	Various	SMH07	7	.23 x .10 x .12	Gold	.25	.19	.15
687181	Leoco	2556P07JL62ℛ	7	.23 x .10 x .12	Gold/Tin	.35	.29	.25
153702	ValuePro	SMH08ℛ	8	.23 x .10 x .12	Gold	.29	.25	.19
2076818	Various	SMH09	9	.23 x .10 x .12	Gold	.25	.19	.15
103393	ValuePro	SMH10ℛ	10	.23 x .10 x .12	Gold	.35	.29	.25
686680	Leoco	2556P12TL63ℛ	12	.30 x .10 x .12	Tin	.29	.25	.19

*Dimension "A" has gold plating; dimension "C" has tin plating

Straight Single Row Male Headers (Continued)

★Web Code: TAM

Part No.	Manufacturer	Cross Ref. No.	Pos.	Size (A"xB"xC")*	Plating	1	10	100
103377	ValuePro	SMH17ℛ	17	.23 x .10 x .12	Gold	$.35	$.29	$.25
103369	ValuePro	SMH20ℛ	20	.23 x .10 x .12	Gold	.35	.29	.25
202825	ValuePro	SMH22	22	.23 x .10 x .12	Gold	.35	.29	.25
103351	ValuePro	SMH25ℛ	25	.23 x .10 x .12	Gold	.39	.35	.25
103342	ValuePro	SMH30ℛ	30	.23 x .10 x .12	Gold	.39	.35	.25
222991	Various	SMH32GTℛ	32	.23 x .10 x .12	Gold/Tin	.39	.29	.25
2076826	Various	SMH34	34	.23 x .10 x .12	Gold	.39	.35	.25
68339	ValuePro	SMH36	36	.23 x .10 x .12	Gold	.45	.35	.29
160882	ValuePro	SMH40ℛ	40	.23 x .10 x .12	Gold	.59	.49	.39
687121	Leoco	2556P40TL62ℛ	40	.32 x .10 x .12	Gold/Tin	.55	.49	.45
527654	AMP	4-102976-0	40	.32 x .09 x .12	Gold/Tin	2.49	2.25	1.95

*Dimension "A" has gold plating; dimension "C" has tin plating

Right Angle Double Row Male Headers

NEW MARKED IN PINK

★Web Code: DAP

- Position: 4 is 2 rows of 2; 12 is 2 rows of 6 (example)

Part No.	Manufacturer	Cross Ref. No.	Pos.	Size (A"xB"xC")	Plating	1	10	100
203908	ValuePro	923804DR	4	.23 x .10 x .12	Gold	$.25	$.15	$.12
203917	ValuePro	923806DRℛ	6	.23 x .10 x .12	Gold	.25	.19	.15
203924	ValuePro	923808DR	8	.23 x .10 x .12	Gold	.25	.19	.15
203932	ValuePro	923810DR	10	.23 x .10 x .12	Gold	.29	.25	.19
203941	ValuePro	923812DR	12	.23 x .10 x .12	Gold	.29	.25	.19
2099930	Various	923814DRT	14	.23 x .10 x .12	Tin	.25	.19	.15
203959	ValuePro	923814DR	14	.23 x .10 x .12	Gold	.29	.25	.19
203967	ValuePro	923816DR	16	.23 x .10 x .12	Gold	.39	.29	.25
203975	ValuePro	923818DR	18	.23 x .10 x .12	Gold	.45	.35	.29
53576	ValuePro	923820DRℛ	20	.23 x .10 x .12	Gold	.49	.39	.35
53583	Various	9238260DR	26	.23 x .10 x .12	Gold	.55	.45	.35
204038	ValuePro	923834R	34	.23 x .10 x .12	Gold	.65	.55	.45
53604	Various	923840DR+	40	.23 x .10 x .12	Gold	.65	.55	.45
53612	ValuePro	923850DR	50	.23 x .10 x .12	Gold	.75	.65	.55
103413	ValuePro	923872DR	72	.23 x .10 x .12	Gold	.85	.69	.59
139564	ValuePro	923880DRℛ	80	.23 x .10 x .12	Gold	1.19	.99	.85

Straight Double Row Male Headers on next page

.100" (2.54mm) Male Headers (Continued)

AMP molex Leoco

Straight Double Row Male Headers

★Web Code: QCM

- Position: 4 is 2 rows of 2; 12 is 2 rows of 6 (example)

Part No.	Manufacturer	Product No.	Pos.	Size (A"xB"xC")*	Plating	1	10	100
15156	Various	DMH04GT	4	.23 x .10 x .12	Gold/Tin	$.25	$.12	$.09
115027	Various	923804DS+	4	.23 x .10 x .12	Gold	.25	.15	.12
115035	ValuePro	923806DS	6	.23 x .10 x .12	Gold	.25	.19	.15
15158	Various	DMH06T-30	6	.30 x .10 x .12	Tin	.25	.19	.15
15747	Various	DMH06-30	6	.30 x .10 x .12	Gold	.29	.25	.19
109516	Various	923808DS+	8	.23 x .10 x .12	Gold	.29	.25	.19
67821	ValuePro	923810DS℞	10	.23 x .10 x .12	Gold	.35	.29	.25
203810	ValuePro	923812DS	12	.23 x .10 x .12	Gold	.39	.29	.25
118456	ValuePro	923814DS℞	14	.23 x .10 x .12	Gold	.49	.39	.35
109568	ValuePro	923816DS℞	16	.23 x .10 x .12	Gold	.55	.45	.39
2076877	Various	923818DS	18	.23 x .10 x .12	Gold	.55	.45	.35
53480	ValuePro	923820DS℞	20	.23 x .10 x .12	Gold	.65	.55	.45
203836	ValuePro	923822DS	22	.23 x .10 x .12	Gold	.65	.55	.45
203844	ValuePro	923824DS	24	.23 x .10 x .12	Gold	.75	.59	.49
53495	Various	923826DS	26	.23 x .10 x .12	Gold	.75	.59	.49
203852	ValuePro	923828DS	28	.23 x .10 x .12	Gold	.75	.59	.49
203861	ValuePro	923832DS	32	.23 x .10 x .12	Gold	.75	.59	.49
53517	ValuePro	923834DS℞	34	.23 x .10 x .12	Gold	.75	.59	.49
203888	ValuePro	923836DS℞	36	.23 x .10 x .12	Gold	.85	.69	.55

* For sizes please reference pictures on previous page

Straight Double Row Male Headers (Continued)

★Web Code: QCM

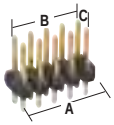
Part No.	Manufacturer	Cross Ref. No.	Pos.	Size (A"xB"xC")*	Plating	1	10	100
203895	ValuePro	923838DS	38	.23 x .10 x .12	Gold	$.49	$.39	$.25
53532	Various	923840DS	40	.23 x .10 x .12	Gold	.75	.59	.49
53560	ValuePro	923850DS℞	50	.23 x .10 x .12	Gold	.75	.59	.49
68574	ValuePro	923860DS	60	.23 x .10 x .12	Gold	.85	.69	.55
103406	ValuePro	70002X36SG-R℞	72	.23 x .10 x .12	Gold	.95	.79	.65
117197	ValuePro	923880DS℞	80	.23 x .10 x .12	Gold	1.09	.95	.79

C-Grid Dual Row, Vertical, High Temperature

- Contact resistance: 15mΩ max.
- Contacts: phosphor bronze
- Dielectric withstanding voltage: 1500V
- Current: 3A

★Web Code: FCC

514466



Part No.	Manufacturer	Mfr. No.	Pos.	Size (A"xB"xC")	Plating	1	10	100
514466	Molex	10-89-7102℞	10	.49 x .40 x .10	Gold	$.35	$.29	$.25
514520	Molex	10-89-7162℞	16	.79 x .70 x .10	Gold	.39	.35	.29

Straight Triple Row Male Headers

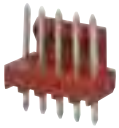
Part No.	Manufacturer	Mfr. No.	Pos.	Size (A"xB"xC")*	Plating	1	10	100
2076885	Various	933812TS	12	.23 x .10 x .12	Gold	$.65	$.55	$.45
2076893	Various	933824TS	36	.23 x .10 x .12	Gold	.65	.55	.45

* For sizes please reference pictures on previous page

.100" (2.54mm) Standard and Friction Lock Headers

★Web Code: GBN

Right Angle Friction Lock



Straight Friction Lock

879588

AMP molex Leoco

Right Angle Friction Lock Headers

Part No.	Mfr.	Product No.	Pos.	Size (A"xB"xC"xD")	Plating	1	10	100
233437	Molex	22-05-3021℞	2	.26 x .13 x .14 x .32	Tin	$.25	$.15	$.12
348234	ValuePro	641216-2	2	.30 x .10 x .14 x .31	Gold	.25	.19	.15
233445	Molex	22-05-3031℞	3	.26 x .13 x .14 x .32	Tin	.29	.25	.19
348242	ValuePro	641216-3	3	.30 x .10 x .14 x .31	Gold	.35	.29	.25
233453	Molex	22-05-3041℞	4	.26 x .13 x .14 x .32	Tin	.35	.29	.25
233699	Molex	22-12-2044℞	4	.26 x .13 x .12 x .32	Gold	.79	.69	.59
348251	ValuePro	641216-4	4	.30 x .10 x .14 x .31	Gold	.35	.29	.25
233461	Molex	22-05-3051℞	5	.26 x .13 x .14 x .32	Tin	.45	.35	.29
348269	ValuePro	641216-5	5	.30 x .10 x .14 x .31	Gold	.59	.49	.45
233470	Molex	22-05-3061℞	6	.26 x .13 x .14 x .32	Tin	.49	.39	.35
348277	ValuePro	641216-6	6	.30 x .10 x .14 x .31	Gold	.65	.59	.55
348285	ValuePro	641216-7	7	.30 x .10 x .14 x .31	Gold	.79	.69	.59
233496	Molex	22-05-3081℞	8	.26 x .13 x .14 x .32	Tin	.59	.49	.39
348293	ValuePro	641216-8	8	.30 x .10 x .14 x .31	Gold	.85	.75	.65
348306	ValuePro	641216-9✪	9	.30 x .10 x .14 x .31	Gold	.89	.79	.69
348315	ValuePro	4-641216-0℞	10	.30 x .10 x .14 x .31	Gold	.95	.85	.75

✪ Blue Part No. = Limited Quantity Available

Standard Straight Post

347400	ValuePro	644659-9†	9	.30 x .10 x .110	Tin	$.25	$.19	$.15
232240	Molex	22-03-2121℞	12	.30 x .13 x .135	Tin	.45	.39	.35

† With retentive leg

Straight Friction Lock Headers

✪ Blue Part No. = Limited Quantity Available

Part No.	Mfr.	Cross Ref. No.	Pos.	Size (A"xB"xC"xD")	Plating	1	10	100
232266	Molex	22-23-2021℞	2	.30 x .13 x .14 x .32	Tin	$.25	$.09	$.08
613931	AMP	640456-2℞	2	.30 x .10 x .14 x .31	Tin	.25	.09	.08
233584	Molex	22-11-2022℞	2	.30 x .13 x .14 x .32	Gold	.29	.25	.19
879588	Molex	22-29-2021℞	2	.30 x .13 x .14 x .46	Gold	.29	.25	.19
348058	ValuePro	641215-2	2	.30 x .10 x .14 x .31	Gold	.25	.19	.15
232274	Molex	22-23-2031℞	3	.30 x .13 x .14 x .32	Tin	.25	.10	.09
879271	Molex	22-27-2031℞	3	.30 x .13 x .14 x .46	Tin	.25	.19	.15
233592	Molex	22-11-2032℞	3	.30 x .13 x .14 x .32	Gold	.49	.45	.39
348066	ValuePro	641215-3✪	3	.30 x .10 x .14 x .31	Gold	.29	.25	.19
613958	AMP	640456-4℞	4	.30 x .10 x .14 x .31	Tin	.25	.19	.15
232282	Molex	22-23-2041℞	4	.30 x .13 x .14 x .32	Tin	.25	.12	.10
879300	Molex	22-27-2041℞	4	.30 x .13 x .14 x .46	Tin	.25	.15	.12
348074	ValuePro	641215-4	4	.30 x .10 x .14 x .31	Gold	.29	.25	.19
232291	Molex	22-23-2051℞	5	.30 x .13 x .14 x .32	Tin	.25	.15	.12
348082	ValuePro	641215-5	5	.30 x .10 x .14 x .31	Gold	.35	.29	.25
232303	Molex	22-23-2061℞	6	.30 x .13 x .14 x .32	Tin	.25	.19	.15
879342	Molex	22-27-2061℞	6	.30 x .13 x .14 x .46	Tin	.39	.35	.29
233621	Molex	22-11-2062℞	6	.30 x .13 x .14 x .32	Gold	.55	.49	.45
348091	ValuePro	641215-6✪	6	.30 x .10 x .14 x .31	Gold	.55	.49	.45
348103	ValuePro	641215-7	7	.30 x .10 x .14 x .31	Gold	.65	.55	.49
232320	Molex	22-23-2081℞	8	.30 x .13 x .14 x .32	Tin	.25	.19	.15
348111	ValuePro	641215-8	8	.30 x .10 x .14 x .31	Gold	.69	.59	.49
687914	Leoco	2571P09V000℞	9	.30 x .13 x .14 x .32	Tin	.29	.25	.19
232346	Molex	22-23-2101℞	10	.30 x .13 x .14 x .32	Tin	.29	.25	.19
232354	Molex	22-23-2121℞	12	.30 x .13 x .14 x .32	Tin	.35	.29	.25

Standard Right Angle Post

347493	ValuePro	644457-9	9	.26 x .10 x .110	Tin	$.25	$.19	$.15

molex

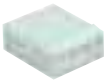
KK® Series .100" (2.54mm) Female Housings

★Web Code: LBN

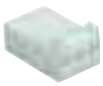
- Contact resistance: 20mΩ max.
- Dielectric withstanding voltage: 1500VAC
- Insulation resistance: 50kMΩ
- Voltage: 250V

Housing Material:

- Contact retention to housing: 8 lbs. min.
- Contact insertion force: 1.5 lbs. max.
- Housing: nylon, UL94V-0
- Operating temperature: 0 to 75˚C



234721



234801

Housing with Locking Ramp

Part No.	Mfr. No.	Pos.	1	10	100
234704	22-01-2027℞	2	$.25	$.15	$.07
234712	22-01-2037℞	3	.25	.19	.15
234721	22-01-2047℞	4	.25	.19	.15
234739	22-01-2057℞	5	.35	.29	.19
234747	22-01-2067℞	6	.39	.35	.29
234771	22-01-2107℞	10	.59	.55	.39

Housing w/ Locking Ramp & Polarizing Ribs

Part No.	Mfr. No.	Pos.	1	10	100
234798	22-01-3027℞	2	$.25	$.15	$.07
234801	22-01-3037℞	3	.25	.19	.15
234819	22-01-3047℞	4	.29	.25	.19
234827	22-01-3057℞	5	.39	.35	.29
234835	22-01-3067℞	6	.45	.39	.35
234851	22-01-3087℞	8	.55	.49	.35
234878	22-01-3107℞	10	.59	.55	.49

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

molex KK® Series .100" (2.54mm) Crimp Terminals

★Web Code: JCT

- Current: phosphor bronze – 4.0A max.; brass – 2.5A max.
- Insulation range: 0.062" (1.58mm) diameter max.
- Accommodates 22 to 30 AWG
- Material: 736456/736501/234923/234931: brass; 736595/462969/463005: phosphor bronze

234931 462969 463005

Bulk Packaged

Order in multiples of 10

Part No.	Mfr. No.	Plating	10	100	1000
736501	08-50-0113ℛ	Tin	$.05	$.04	$.03
234923	08-50-0114ℛ	Tin	.06	.05	.04
234931	08-55-0102ℛ	15µ" gold	.15	.12	.11
736595	08-52-0123ℛ	Tin	.09	.08	.07
462969	08-65-0805ℛ	Tin (cat ear)	.09	.08	.07
463005	08-65-0816ℛ	15µ" gold	.19	.15	.13

KK® Series .100" (2.54mm) Pitch Crimp Terminal Housings

High Pressure molex

516226

- Voltage: 250V • Current: 2.5A
- Contact resistance: 20mΩ max.
- Dielectric withstanding volt.: 1500VAC
- Insulation resistance: 500k MΩ min.
- Housing: white nylon, UL04V-0

Part No.	Product No.	Pos.	1	10	100
516200	10-11-2013	1	$.25	$.15	$.12
516218	10-11-2023ℛ	2	.25	.15	.12
516226	10-11-2033ℛ	3	.25	.15	.12
516234	10-11-2043ℛ	4	.29	.25	.19
516242	10-11-2053ℛ	5	.29	.25	.19
516277	10-11-2083ℛ	8	.35	.29	.25
516293	10-11-2103ℛ	10	.39	.35	.29
516314	10-11-2123ℛ	12	.45	.39	.35

Crimp Terminal

- Female • 22-30 AWG

Order in multiples of 10

Part No.	Product No.	Plating	10	100	1000
736456	08-50-0005ℛ	Tin/copper	$.15	$.12	$.09

.100" (2.54mm) Pitch SL™ Wire-to-Board Crimp Housings

Single Row molex

- Housing: black glass filled polyester, UL94V-0

884301

884328

Version A, Non-polarized

★Web Code: VDD

Part No.	Product No.	Pos.	1	10	100
884301	50-57-9002ℛ	2	$.29	$.19	$.15

Version G, Positive Latch

Part No.	Product No.	Pos.	1	10	100
884328	50-57-9402ℛ	2	$.25	$.19	$.15
884344	50-57-9403ℛ	3	.25	.19	.15
884379	50-57-9404ℛ	4	.25	.19	.15

Female Crimp Terminals

741685

Order in multiples of 10

Part No.	Product No.	AWG	Plating	10	100
741685	16-02-0103ℛ	22-24	15µ" gold	$.09	$.08
741677	16-02-0086ℛ	22-24	Tin	.07	.06

.118" (3.0mm) Pitch Micro-Fit Housings and Headers

- Housing: polyester, UL94V-0
- Fully polarized to mating connector

molex JAMECO ValuePro ★Web Code: UBW

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7

Fig. 8

Fig. 9

Fig. 10

Fig. 11

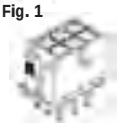


Fig. 12

Fig. 13

Receptacles

Single Row (Fig. 1)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
338351	ValuePro	43645-0200ℛ	2	$.25	$.15	$.12
338378	ValuePro	43645-0400ℛ	4	.25	.15	.12
338634	ValuePro	43645-0500ℛ✪	5	.25	.15	.12

✪ Blue Part No. = Limited Quantity Available

Double Row (Fig. 2)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
882867	Molex	43025-0200ℛ	2	$.25	$.19	$.15
337682	ValuePro	43025-0600ℛ	6	.25	.15	.12
882921	Molex	43025-0800ℛ	8	.35	.29	.25
337703	ValuePro	43025-1000ℛ	10	.25	.15	.12
337711	ValuePro	43025-1200ℛ	12	.25	.15	.12
337834	ValuePro	43025-1400ℛ	14	.45	.39	.35
883026	Molex	43025-1800ℛ	18	.65	.55	.49
337869	ValuePro	43025-2000ℛ	20	.25	.19	.15
337877	ValuePro	43025-2400ℛ	24	.25	.19	.15

Plugs

Single Row, Panel Mount w/ Ears (Fig. 3)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
338255	ValuePro	43640-0200ℛ	2	$.25	$.15	$.12
338271	ValuePro	43640-0300ℛ	3	.25	.15	.12
338298	ValuePro	43640-0400ℛ	4	.25	.15	.12
338319	ValuePro	43640-0500ℛ	5	.25	.15	.12
338335	ValuePro	43640-0600ℛ	6	.25	.15	.12

Single Row, Free Hanging (Fig. 4)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
338263	ValuePro	43640-0201ℛ	2	$.25	$.15	$.12
338301	ValuePro	43640-0401ℛ	4	.25	.15	.12
338327	ValuePro	43640-0501ℛ	5	.25	.15	.12

Plugs (Continued)

Double Row, Panel Mount w/ Ears (Fig. 5)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
338343	ValuePro	43640-0601ℛ	6	$.25	$.15	$.12
337586	ValuePro	43020-0200ℛ	2	.25	.15	.12
337594	ValuePro	43020-0400ℛ	4	.25	.15	.12
337607	ValuePro	43020-0600ℛ	6	.25	.15	.12
337623	ValuePro	43020-0800ℛ	8	.25	.15	.12
337640	ValuePro	43020-1000ℛ	10	.25	.15	.12
337826	ValuePro	43020-1200ℛ	12	.29	.25	.19

Double Row, Free Hanging (Fig. 6)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
337800	ValuePro	43020-0201ℛ	2	$.25	$.15	$.12
337818	ValuePro	43020-0401ℛ	4	.25	.15	.12
337615	ValuePro	43020-0601ℛ	6	.25	.15	.12
337658	ValuePro	43020-1001ℛ	10	.25	.15	.12

Single Row Headers

Right Angle, Snap-In Plastic Peg, PCB – Tin (Fig. 7)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
338431	ValuePro	43650-0300ℛ	3	$.25	$.19	$.15
338466	ValuePro	43650-0400ℛ	4	.25	.19	.15
338491	ValuePro	43650-0500ℛ	5	.25	.19	.15
338520	ValuePro	43650-0600ℛ	6	.25	.19	.15

Right Angle, SMT – Tin (Fig. 8)

- Solderable fitting nail provides retention to PCB

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
338423	Molex	43650-0212ℛ	2	$2.19	$1.95	$1.75
338458	Molex	43650-0312	3	2.29	2.05	1.85
338482	Molex	43650-0412	4	2.39	2.15	1.89
338511	Molex	43650-0512ℛ	5	2.95	2.65	2.39
338546	Molex	43650-0612ℛ	6	3.19	2.85	2.55

Single Row Headers (Continued)

RA, Snap-In Plastic Peg, PCB – 15µ" gold (Fig. 7)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
338407	ValuePro	43650-0201ℛ	2	$.25	$.19	$.15
338642	ValuePro	43650-0301ℛ	3	.29	.25	.15
338651	ValuePro	43650-0401ℛ	4	.35	.29	.19

Right Angle, SMT – 15µ" gold (Fig. 9)

- Solderable retention clip

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
338415	Molex	43650-0210ℛ	2	$2.19	$1.95	$1.75
338440	Molex	43650-0310ℛ	3	2.29	2.05	1.85
338474	Molex	43650-0410ℛ	4	2.49	2.25	2.05
338503	Molex	43650-0510ℛ	5	2.75	2.49	2.25
338538	Molex	43650-0610ℛ	6	2.95	2.69	2.45

Double Row Headers

Right Angle, Snap-In Plastic Peg, PCB – Tin (Fig. 10)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
883317	Molex	43045-0400ℛ	4	$.69	$.59	$.55
338044	ValuePro	43045-0600ℛ	6	.25	.19	.15
338554	ValuePro	43045-0800ℛ	8	.25	.19	.17
338562	ValuePro	43045-1000ℛ	10	.29	.25	.19
338212	ValuePro	43045-1200ℛ	12	.35	.29	.25
338571	ValuePro	43045-1400ℛ	14	.39	.35	.29
338597	ValuePro	43045-1600ℛ	16	.49	.45	.39

RA, Snap-In Plastic Peg, PCB – 30µ" Gold (Fig. 10)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
337893	ValuePro	43045-0202ℛ	2	$.29	$.25	$.19
337973	ValuePro	43045-0402ℛ	4	.45	.39	.35
338052	ValuePro	43045-0602ℛ	6	.55	.49	.45
338116	ValuePro	43045-0802ℛ	8	.69	.59	.55
338167	ValuePro	43045-1002ℛ	10	.85	.75	.65
338221	ValuePro	43045-1202ℛ	12	.95	.85	.75
338618	ValuePro	43045-2202ℛ	22	1.95	1.75	1.55

Continued on next page

.118" (3.00mm) Pitch Micro-Fit Housings and Headers (Continued)

Double Row Headers (Cont.)

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Line art on previous page

Right Angle, SMT – Tin (Fig. 11)

- Solderable fitting nail provides retention to PCB

Part No.	Mfr.	Mfr. No.	Pos.	1	10	100
337906	Molex	43045-0209ℛ	2	$1.19	$1.05	$.95
337981	Molex	43045-0409ℛ	4	1.29	1.15	1.05
338061	Molex	43045-0609ℛ	6	1.39	1.25	1.09

Right Angle, SMT – 30µ" Gold (Fig. 11)

- Solderable fitting nail provides retention to PCB

Part No.	Mfr.	Mfr. No.	Pos.	1	10	100
337914	Molex	43045-0211ℛ	2	$2.95	$2.65	$2.39
337990	Molex	43045-0411ℛ	4	1.95	1.75	1.55
338124	Molex	43045-0811	8	2.49	2.25	1.95

Vertical, Polarizing Peg, PCB – Tin (Fig. 12)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
337922	ValuePro	43045-0212ℛ	2	$.25	$.19	$.15
338001	ValuePro	43045-0412ℛ	4	.25	.19	.15
338079	ValuePro	43045-0612ℛ	6	.25	.19	.15
338132	ValuePro	43045-0812ℛ	8	.29	.25	.19
338175	ValuePro	43045-1012ℛ	10	.29	.25	.19
338239	ValuePro	43045-1212ℛ	12	.29	.25	.19

Vertical, Polarizing Peg, PCB – 30µ" Gold (Fig. 12)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
337931	ValuePro	43045-0214ℛ	2	$.25	$.19	$.15
338010	ValuePro	43045-0414ℛ	4	.35	.29	.25
338087	ValuePro	43045-0614ℛ	6	.45	.39	.35
338141	ValuePro	43045-0814ℛ	8	.55	.49	.45
338183	ValuePro	43045-1014ℛ	10	.65	.55	.49
338247	ValuePro	43045-1214ℛ	12	.75	.65	.59

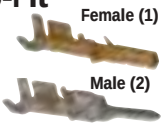
Vertical, Solder Tab, SMT – Tin (Fig. 13)

Part No.	Mfr.	Mfr. No.	Pos.	1	10	100
337949	Molex	43045-0218ℛ	2	$.95	$.85	$.75
338028	Molex	43045-0418ℛ	4	1.49	1.35	1.19
338095	Molex	43045-0618ℛ	6	1.69	1.49	1.35
338159	Molex	43045-0818ℛ	8	3.49	3.15	2.79
338191	Molex	43045-1018ℛ	10	1.95	1.75	1.55

Vertical, Solder Tab, SMT – 30µ" Gold (Fig. 13)

Part No.	Mfr.	Mfr. No.	Pos.	1	10	100
337957	Molex	43045-0220ℛ	2	$2.75	$2.45	$2.19
338108	Molex	43045-0620ℛ	6	3.95	3.49	3.15
338204	Molex	43045-1020ℛ	10	4.95	4.49	3.95

.118" (3.00mm) Micro-Fit Crimp Terminals



A: phosphor bronze, tin
B: phosphor bronze, 15µ" gold
C: phosphor bronze, 30µ" gold

Order in multiples of 10

Part No.	Mfr.	Cross Ref. No.	Type	AWG	10	100
337720	ValuePro	43030-0007ℛ	1A	20-24	$.09	$.08
883093	Molex	43030-0007ℛ	1A	20-24	.09	.07
337738	ValuePro	43030-0009ℛ	1B	26-30	.15	.12
337746	ValuePro	43030-0010ℛ	1A	20-24	.09	.08
337754	ValuePro	43030-0012ℛ	1C	26-30	.19	.15
337762	ValuePro	43031-0007ℛ	2A	20-24	.09	.08
883237	Molex	43031-0007ℛ	2A	20-24	.09	.08
337789	ValuePro	43031-0010ℛ	2A	26-30	.06	.05
337797	ValuePro	43031-0012ℛ	2C	26-30	.19	.15

Tools for Micro-Fit Connectors

Part No.	Product No.	Description	Length	1	5
338678	HT-225Dℛ	Crimp	8.25"	$24.95	$22.49
338669	11-03-0043	Extraction	3.0"	14.95	13.49

AMP .156" (3.96mm) Headers, Housings and Crimp Terminals

- Wire-to-board applications
- End-to-end stackable styles
- Insulator: polyester, UL 94V-0
- Housing: nylon, UL 94V-0

★Web Code: HHT

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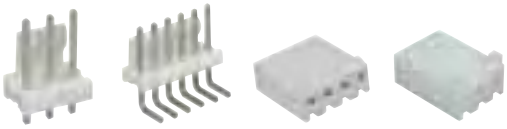
Fig. 1 Fig. 2 Fig. 3 Fig. 4

Headers

Straight Friction Lock – Brass/Tin (Fig. 1)

Part No.	Mfr.	Cross Ref. No.	Pos	1	10	100
879861	Molex	26-60-4020ℛ	2	$.25	$.15	$.12
231546	AMP	640445-2ℛ	2	.25	.09	.07
879887	Molex	26-60-4030ℛ	3	.25	.19	.15
231554	AMP	640445-3ℛ	3	.25	.15	.12
879908	Molex	26-60-4040ℛ	4	.25	.19	.15
231562	AMP	640445-4ℛ	4	.25	.19	.15
104792	ValuePro	LMH4ℛ	4	.25	.15	.12
879941	Molex	26-60-4060ℛ	6	.25	.19	.15
104846	ValuePro	LMH10	10	.25	.19	.15

Right Angle Friction Lock – Copper/Tin (Fig. 2)

Part No.	Mfr.	Mfr. No.	Pos	1	10	100
232400	AMP	640389-6ℛ	6	$.95	$.85	$.75

Crimp Terminals

- Plating: **A:** brass/tin; **B:** phosphor bronze/tin

Order in multiples of 10

Part No.	Mfr.	Cross Ref. No.	Plating	AWG	10	100
736472	Molex	08-50-0105ℛ	A	18-20	$.09	$.05
736481	Molex	08-50-0106ℛ	A	18-20	.06	.05
462774	Molex	08-50-0165ℛ†	A	18-20	.09	.08
736544	Molex	08-50-0189ℛ	A	18-20	.06	.05
736552	Molex	08-52-0071ℛ	B	18-20	.06	.04
736561	Molex	08-52-0072ℛ	B	18-20	.08	.06
736587	Molex	08-52-0113ℛ†*	A	18-20	.06	.05
248866	AMP	640706-1	A	18-24	.25	.19
248874	AMP	640706-2ℛ	A	18-24	.19	.15
248882	AMP	640707-1	A	18-24	.19	.15
248903	AMP	770522-1	B	18-24	.25	.19
78319	ValuePro	JS-5001-Tℛ	A	18-24	.05	.04

†Trifurcon *Cat ear

Housings

With Locking Ramp (Fig. 3)

Part No.	Mfr.	Cross Ref. No.	Pos	1	10	100
236144	AMP	640250-2ℛ	2	$.25	$.12	$.09
176743	ValuePro	7900F-2#	2	.25	.06	.05
236152	AMP	640250-3ℛ	3	.25	.15	.12
463435	Molex	09-50-3031ℛ	3	.25	.15	.12
104433	ValuePro	7900F-3ℛ	3	.25	.09	.08
463443	Molex	09-50-3041ℛ	4	.25	.15	.12
236161	AMP	640250-4ℛ	4	.25	.15	.12
104716	ValuePro	7900F-4ℛ#	4	.25	.12	.09
104724	ValuePro	7900F-5ℛ#	5	.25	.12	.09
104732	ValuePro	7900F-6ℛ	6	.25	.15	.12
463460	Molex	09-50-3061ℛ	6	.25	.19	.15
236187	AMP	640250-6ℛ	6	.25	.19	.15
104766	ValuePro	7900F-10#	10	.25	.15	.12
236224	AMP	1-640250-0ℛ	10	.39	.35	.29
463523	Molex	09-50-3121ℛ	12	.39	.35	.29

Use with crimp pin 78319, below left

With Locking Ramp & Polarizing Tabs (Fig. 4)

Part No.	Mfr.	Mfr. No.	Pos	1	10	100
236321	AMP	770849-2ℛ	2	$.25	$.12	$.09
236339	AMP	770849-3ℛ	3	.25	.15	.12

★Connector Tools — Enter Web Code VBW

★More Housings Online — Enter Web Code CRH

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronic needs. Send feedback to Feedback@Jameco.com.

.165" (4.19mm) Mini-Fit Jr.™ Type Connectors

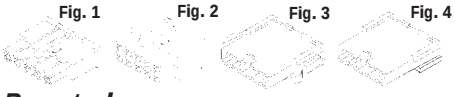
Fig. 1 Fig. 2 Fig. 3 Fig. 4

Receptacles

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Single Row (Fig. 1)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
364584	ValuePro	39-01-4030ℛ	3	$.25	$.15	$.12
364592	ValuePro	39-01-4040ℛ	4	.25	.15	.12

Double Row (Fig. 2)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
364736	ValuePro	39-01-2020ℛ	2	$.25	$.09	$.08
303562	Molex	39-01-2020ℛ*	2	.35	.29	.25
364744	ValuePro	39-01-2040ℛ	4	.25	.12	.09
303571	Molex	39-01-2040ℛ*	4	.39	.29	.25
364752	ValuePro	39-01-2060ℛ	6	.25	.12	.09
303589	Molex	39-01-2060ℛ	6	.39	.35	.29
364761	ValuePro	39-01-2080ℛ	8	.25	.19	.15
303597	Molex	39-01-2080ℛ	8	.55	.45	.35
364779	ValuePro	39-01-2100ℛ	10	.25	.15	.12
303600	Molex	39-01-2100ℛ	10	.35	.29	.25
364787	ValuePro	39-01-2120ℛ	12	.25	.19	.15
303618	Molex	39-01-2120ℛ	12	.45	.39	.35
364795	ValuePro	39-01-2140ℛ	14	.39	.35	.29
364808	ValuePro	39-01-2160ℛ	16	.25	.19	.15
303642	Molex	39-01-2180ℛ	18	.59	.55	.49
364824	ValuePro	39-01-2200ℛ	20	.29	.25	.19
303651	Molex	39-01-2200ℛ	20	.59	.45	.39
364832	ValuePro	39-01-2220ℛ	22	.29	.25	.19
303669	Molex	39-01-2220ℛ	22	.89	.79	.69
364841	ValuePro	39-01-2240ℛ	24	.29	.25	.19
303677	Molex	39-01-2240ℛ	24	.95	.85	.75

* Not for use with strain relief

Plugs

Single Row, Panel Mount w/ Ears (Fig. 3)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
364613	ValuePro	39-01-4032ℛ	3	$.25	$.19	$.15
364621	ValuePro	39-01-4052ℛ	5	.25	.19	.15
303829	Molex	39-01-4052ℛ	5	.35	.29	.25

Continued on next page

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

★Web Code: MTC

.165" (4.19mm) Mini-Fit Jr.™ Type Connectors (Continued)

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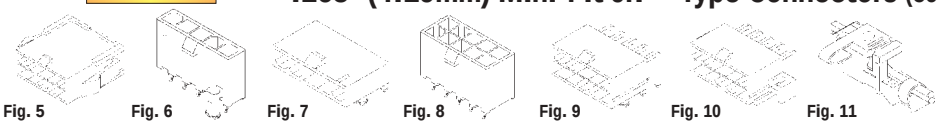


Fig. 5 Fig. 6 Fig. 7 Fig. 8 Fig. 9 Fig. 10 Fig. 11

Plugs

Single Row, Free Hanging (Fig. 4 – Previous Page)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
364630	ValuePro	39-01-4036ℛ	3	$.25	$.12	$.09
364648	ValuePro	39-01-4046ℛ	4	.25	.12	.09
303811	Molex	39-01-4046ℛ	4	.29	.25	.19
364656	ValuePro	39-01-4056ℛ	5	.25	.12	.09

Double Row, Panel Mount w/ Ears (Fig. 5)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
364859	ValuePro	39-01-2021ℛ	2	$.25	$.19	$.15
303685	Molex	39-01-2021ℛ	2	.35	.29	.25
364867	ValuePro	39-01-2041ℛ	4	.25	.19	.15
303693	Molex	39-01-2041ℛ	4	.39	.35	.29
364875	ValuePro	39-01-2061ℛ	6	.29	.25	.19
303706	Molex	39-01-2061ℛ	6	.45	.39	.35
364883	ValuePro	39-01-2081ℛ	8	.29	.25	.19
364891	ValuePro	39-01-2101ℛ	10	.29	.25	.19
303722	Molex	39-01-2101ℛ	10	.49	.39	.35
364904	ValuePro	39-01-2121ℛ	12	.29	.25	.19
303731	Molex	39-01-2121ℛ	12	.35	.29	.25
364912	ValuePro	39-01-2141ℛ	14	.29	.25	.19
303749	Molex	39-01-2141ℛ	14	.59	.49	.39
364921	ValuePro	39-01-2161ℛ	16	.29	.25	.19
303757	Molex	39-01-2161ℛ	16	.59	.49	.39

Single Row Headers

Vertical w/ Pegs & Drain Holes – Tin (Fig. 6)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
364672	ValuePro	39-30-2035ℛ	3	$.29	$.25	$.19
304573	Molex	39-30-2035ℛ	3	.89	.79	.59
364681	ValuePro	39-30-2045ℛ	4	.25	.19	.15
304581	Molex	39-30-2045ℛ	4	.99	.89	.79
364699	ValuePro	39-30-2056ℛ	5	.25	.19	.15
304590	Molex	39-30-2056ℛ	5	.99	.89	.79

Right Angle w/ Pegs – Tin (Fig. 7)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
364701	ValuePro	39-30-3035ℛ	3	$.25	$.19	$.15
304602	Molex	39-30-3035ℛ	3	.75	.65	.55
364710	ValuePro	39-30-3045ℛ	4	.25	.19	.15
304611	Molex	39-30-3045ℛ	4	.85	.75	.65
364728	ValuePro	39-30-3055ℛ	5	.25	.19	.15

Double Row Headers

Vertical w/o Pegs, w/o Drain Holes – Tin (Fig. 8)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
364939	ValuePro	39-28-1023ℛ	2	$.25	$.19	$.15
303845	Molex	39-28-1023ℛ	2	.35	.29	.25
364947	ValuePro	39-28-1043ℛ	4	.25	.19	.15
364955	ValuePro	39-28-1063ℛ	6	.25	.19	.15
364963	ValuePro	39-28-1083ℛ	8	.25	.19	.15
364971	ValuePro	39-28-1103ℛ	10	.29	.25	.19
364980	ValuePro	39-28-1123ℛ	12	.29	.25	.19
364998	ValuePro	39-28-1143ℛ	14	.35	.29	.25
303909	Molex	39-28-1143ℛ	14	1.49	1.35	1.19
365000	ValuePro	39-28-1163ℛ	16	.35	.29	.25
365018	ValuePro	39-28-1183ℛ	18	.35	.29	.25
303925	Molex	39-28-1183ℛ	18	1.69	1.49	1.25
365026	ValuePro	39-28-1203ℛ	20	.39	.35	.29
365034	ValuePro	39-28-1223ℛ	22	.39	.35	.29
303941	Molex	39-28-1223	22	2.15	1.95	1.75

Double Row Headers (Continued)

Vertical w/o Pegs, w/o Drain Holes – 30µ" Gold (Fig. 8)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
365042	ValuePro	39-28-1243ℛ	24	$.39	$.35	$.29
365051	ValuePro	39-29-0023ℛ	2	.45	.39	.35
365069	ValuePro	39-29-0043ℛ	4	.49	.45	.39
303976	Molex	39-29-0043ℛ	4	1.49	1.35	1.19
365077	ValuePro	39-29-0063ℛ	6	.69	.59	.49
303984	Molex	39-29-0063ℛ	6	1.95	1.75	1.55
365085	ValuePro	39-29-0083ℛ	8	.89	.79	.69
365093	ValuePro	39-29-0103ℛ	10	1.19	.95	.85
304004	Molex	39-29-0103ℛ	10	3.29	2.95	2.65
365106	ValuePro	39-29-0123ℛ	12	1.29	1.15	.95
304012	Molex	39-29-0123	12	3.95	3.49	2.95
365114	ValuePro	39-29-0143ℛ	14	1.49	1.35	1.19
304021	Molex	39-29-0143	14	4.49	3.95	3.49
365122	ValuePro	39-29-0163ℛ	16	1.95	1.75	1.59
304039	Molex	39-29-0163	16	4.95	4.45	3.95
365131	ValuePro	39-29-0183ℛ	18	1.89	1.69	1.49
304047	Molex	39-29-0183	18	5.95	5.35	4.79
365149	ValuePro	39-29-0203ℛ	20	2.95	2.65	2.39
304055	Molex	39-29-0203ℛ	20	6.95	6.25	5.59
365157	ValuePro	39-29-0223ℛ	22	2.19	1.95	1.75
304063	Molex	39-29-0223ℛ	22	7.49	6.75	5.95
304071	Molex	39-29-0243ℛ	24	7.95	7.15	6.39

Right Angle w/ Pegs – Tin (Fig. 9)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
365173	ValuePro	39-30-1020ℛ	2	$.25	$.15	$.12
365181	ValuePro	39-30-1040ℛ	4	.25	.15	.12
304098	Molex	39-30-1040ℛ	4	.59	.49	.45
365190	ValuePro	39-30-1060ℛ	6	.25	.19	.17
365202	ValuePro	39-30-1080ℛ	8	.25	.19	.17
304119	Molex	39-30-1080ℛ	8	.85	.75	.65
365211	ValuePro	39-30-1100ℛ	10	.29	.25	.22
304127	Molex	39-30-1100ℛ	10	.95	.85	.75
365229	ValuePro	39-30-1120ℛ	12	.29	.25	.22
304135	Molex	39-30-1120ℛ	12	1.19	1.05	.95
365237	ValuePro	39-30-1140ℛ	14	.29	.25	.22
304143	Molex	39-30-1140ℛ	14	1.35	1.19	1.05
365245	ValuePro	39-30-1160ℛ	16	.29	.25	.22
365253	ValuePro	39-30-1180ℛ	18	.35	.29	.25
304160	Molex	39-30-1180ℛ	18	1.79	1.59	1.45
365261	ValuePro	39-30-1200ℛ	20	.35	.29	.25
365270	ValuePro	39-30-1220ℛ	22	.35	.29	.25
304194	Molex	39-30-1240ℛ	24	2.75	2.49	2.25

Right Angle w/ Pegs – 30µ" Gold (Fig. 9)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
365325	ValuePro	39-30-1021ℛ	2	$.35	$.29	$.25
304207	Molex	39-30-1021ℛ	2	.95	.85	.75
365333	ValuePro	39-30-1041ℛ	4	.79	.69	.59
365341	ValuePro	39-30-1061ℛ	6	1.19	1.05	.95
304223	Molex	39-30-1061ℛ	6	1.49	1.35	1.19
365350	ValuePro	39-30-1081ℛ	8	1.49	1.35	1.19
304231	Molex	39-30-1081ℛ	8	1.95	1.75	1.55
365376	ValuePro	39-30-1121ℛ	12	2.25	1.95	1.75
304258	Molex	39-30-1121ℛ	12	2.49	2.25	1.95
365384	ValuePro	39-30-1141ℛ	14	2.49	2.25	1.95
304266	Molex	39-30-1141ℛ	14	2.95	2.65	2.39
304274	Molex	39-30-1161ℛ	16	3.49	3.15	2.79

Right Angle w/ Pegs – 30µ" Gold (Fig. 9)(Cont.)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
365392	ValuePro	39-30-1161ℛ	16	$2.95	$2.65	$2.39
365405	ValuePro	39-30-1181ℛ	18	3.29	2.95	2.65
304282	Molex	39-30-1181ℛ	18	3.95	3.55	3.19
365413	ValuePro	39-30-1201ℛ	20	3.49	3.15	2.85
304291	Molex	39-30-1201ℛ	20	4.49	3.95	3.55
365421	ValuePro	39-30-1221ℛ	22	3.95	3.55	3.19
304303	Molex	39-30-1221ℛ	22	4.95	4.45	3.95
365430	ValuePro	39-30-1241ℛ	24	4.29	3.85	3.45
304311	Molex	39-30-1241ℛ	24	5.95	5.35	4.79

Right Angle w/ Flange – Tin (Fig. 10)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
365448	ValuePro	39-29-1028ℛ	2	$.25	$.15	$.12
304320	Molex	39-29-1028ℛ	2	.45	.39	.35
365456	ValuePro	39-29-1048ℛ	4	.25	.15	.12
304338	Molex	39-29-1048ℛ	4	.69	.59	.55
365464	ValuePro	39-29-1068ℛ	6	.25	.15	.12
304346	Molex	39-29-1068ℛ	6	.85	.75	.65
365472	ValuePro	39-29-1088ℛ	8	.25	.19	.15
304354	Molex	39-29-1088ℛ	8	.89	.79	.69
365481	ValuePro	39-29-1108ℛ	10	.25	.19	.15
304362	Molex	39-29-1108ℛ	10	.95	.85	.75
365499	ValuePro	39-29-1128ℛ	12	.25	.19	.17
304371	Molex	39-29-1128ℛ	12	1.49	1.35	1.19
365501	ValuePro	39-29-1148ℛ	14	.29	.25	.19
304389	Molex	39-29-1148	14	1.69	1.49	1.35
365510	ValuePro	39-29-1168ℛ	16	.29	.25	.19
304397	Molex	39-29-1168	16	1.95	1.75	1.55
365528	ValuePro	39-29-1188ℛ	18	.35	.29	.25
304400	Molex	39-29-1188ℛ	18	2.19	1.95	1.75
365536	ValuePro	39-29-1208ℛ	20	.35	.29	.25
304418	Molex	39-29-1208	20	2.29	2.05	1.85
365544	ValuePro	39-29-1228ℛ	22	.35	.29	.25
304426	Molex	39-29-1228ℛ	22	2.79	2.49	2.25
365552	ValuePro	39-29-1248ℛ	24	.39	.35	.29
304434	Molex	39-29-1248	24	2.95	2.65	2.39

Right Angle w/ Flange – 30µ" Gold (Fig. 10)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
365561	ValuePro	39-39-5023ℛ	2	$.35	$.29	$.25
304442	Molex	39-29-5023	2	1.15	1.05	.95
365579	ValuePro	39-29-5043ℛ	4	.85	.75	.65
304451	Molex	39-29-5043ℛ	4	1.39	1.25	1.09
365587	ValuePro	39-29-5063ℛ	6	1.19	1.05	.95
304469	Molex	39-29-5063ℛ	6	1.69	1.49	1.35
365595	ValuePro	39-29-5083ℛ	8	1.59	1.45	1.29
304477	Molex	39-29-5083ℛ	8	1.95	1.75	1.55
365608	ValuePro	39-29-5103ℛ	10	1.95	1.75	1.55
365616	ValuePro	39-29-5123ℛ	12	2.29	2.05	1.85
304493	Molex	39-29-5123ℛ	12	2.95	2.65	2.39
365632	ValuePro	39-29-5163ℛ	16	2.95	2.65	2.39
365641	ValuePro	39-29-5183ℛ	18	3.29	2.95	2.65
304522	Molex	39-29-5183ℛ	18	4.49	3.95	3.49
365659	ValuePro	39-29-5203ℛ	20	3.59	3.19	2.89
304531	Molex	39-29-5203ℛ	20	5.29	4.75	4.25
365667	ValuePro	39-39-5223ℛ	22	3.95	3.55	3.19
304549	Molex	39-29-5223ℛ	22	6.49	5.85	5.25
365675	ValuePro	39-29-5243ℛ	24	4.39	3.95	3.55
304557	Molex	39-29-5243ℛ	24	6.79	6.09	5.49

Strain Reliefs (Fig. 11)

Part No.	Mfr.	Mfr. No.	Pos.	1	10	100
304637	Molex	15-04-0296ℛ	6	$.89	$.79	$.69
304645	Molex	15-04-0343ℛ	8	1.29	1.15	.95

Crimp Terminals on next page

Interconnects

.165" (4.19mm) Mini-Fit Jr.™ molex Type Terminals

JAMECO ValuePro

★Web Code: CBX

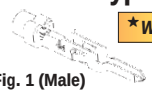


*Fig. 1 (Male)

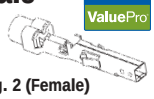


*Fig. 2 (Female)

*Type: **A:** Tin over nickel over brass
B: 15µ" gold over nickel over brass
C: 30µ" gold over nickel over brass
D: Tin over nickel over phosphor bronze
E: Brass or copper (post plated tin over nickel)
F: 15µ" gold over nickel over phosphor bronze
G: 30µ" gold over nickel over phosphor bronze
H: Brass (post plated tin over nickel)
I: Phosphor bronze (pre-plated gold over nickel)

22-28 AWG ✳ Order in multiples of 10

Part No.	Mfr.	Cross Ref. No.	Type*	1	10	100
304872	Molex	39-00-0047	2A	✳	$.14	$.10
365798	ValuePro	39-00-0088ℛ	1C	✳	.19	.15
401841	ValuePro	39-00-0098ℛ	1B	✳	.15	.12
401816	ValuePro	39-00-0123ℛ	1A	✳	.09	.08
401752	ValuePro	39-00-0126ℛ	2D	✳	.09	.08
304910	Molex	39-00-0166	2H	.59	.49	.35
365915	ValuePro	39-00-0166ℛ	2C	✳	.19	.15
401728	ValuePro	39-00-0172ℛ	2B	✳	.15	.12
304899	Molex	39-00-0184	2I	.69	.55	.45
365907	ValuePro	39-00-0184ℛ	2G	✳	.19	.15
401787	ValuePro	39-00-0197ℛ	2F	✳	.15	.12
401699	ValuePro	39-00-0210ℛ	2A	✳	.09	.08
304881	Molex	39-00-0222	1I	.65	.55	.45
304768	Molex	44478-1112ℛ	1I	✳	.19	.15

18-24 AWG ✳ Order in multiples of 10

Part No.	Mfr.	Cross Ref. No.	Type*	1	10	100
304733	Molex	39-00-0039	2A	✳	$.07	$.06
304725	Molex	39-00-0041	1A	✳	.09	.08
365747	ValuePro	39-00-0054ℛ	1C	✳	.19	.15
401859	ValuePro	39-00-0076ℛ	1B	.39	.35	.29
401824	ValuePro	39-00-0121ℛ	1A	✳	.09	.08
365886	ValuePro	39-00-0164ℛ	2C	✳	.19	.15
401736	ValuePro	39-00-0170ℛ	2B	.39	.35	.29
304750	Molex	39-00-0182	2I	.35	.29	.25
365851	ValuePro	39-00-0182ℛ	2G	✳	.19	.15
401795	ValuePro	39-00-0195ℛ	2F	✳	.15	.12
401701	ValuePro	39-00-0208ℛ	2A	✳	.09	.07
304821	Molex	30490-1012	1I	.65	.59	.55
304792	Molex	30490-2012	1I	.29	.19	.15
884248	Molex	44476-111ℛ	2E	✳	.09	.08
304776	Molex	44476-1112ℛ	2I	✳	.19	.15
304784	Molex	44485-1212	2I	.85	.75	.69

• **Sold in 4000 piece reel**

Part No.	Mfr.	Mfr. No.	Type*	4000
307993	Molex	39-00-0038ℛ	2A	$.03
307985	Molex	39-00-0040ℛ	1A	.03

16 AWG ✳ Order in multiples of 10

Part No.	Mfr.	Cross Ref. No.	Type*	1	10	100
304709	Molex	39-00-0096	1H	$.49	$.45	$.35
365704	ValuePro	39-00-0096ℛ	1C	✳	.19	.15
401867	ValuePro	39-00-0099ℛ	1B	✳	.15	.12
401832	ValuePro	39-00-0125ℛ	1A	✳	.09	.08
365835	ValuePro	39-00-0168ℛ	2C	.49	.45	.35
401744	ValuePro	39-00-0174ℛ	2B	✳	.15	.12
365827	ValuePro	39-00-0186ℛ	2G	✳	.19	.15
401808	ValuePro	39-00-0199ℛ	2F	✳	.15	.12
401710	ValuePro	39-00-0212ℛ	2A	✳	.07	.06
401779	ValuePro	39-00-0218ℛ	2D	✳	.06	.05
304670	Molex	44476-3112ℛ	2H	✳	.19	.15
304661	Molex	44478-3112	1E	✳	.19	.15

.165" (4.19mm) Mini-Fit BMI™ Plug

- Housing: UL94V-2 Nylon 6/6
- Operating temp: -40˚C to +105˚C
- Mates w/ 5557/42385/42474/ 43760 series receptacles
- Use 5558/44475/444778 series terminals
- Dual row with panel mount ears

molex

Part No.	Mfr. No.	Pos.	1	10	100
741386	15-06-0245ℛ	24	$1.25	$1.09	$.95

.197" (5mm) Pitch SPOX™

- Voltage: 250V • With locking ramp
- Contact resistance: 10mΩ max.
- Insulation resis.: 1000MΩ min.
- Housing: nylon 6/6, UL 94V-2

molex

Housings

Part No.	Mfr. No.	Pos.	1	10	100
521560	10-63-3044	4	$.45	$.39	$.35
521578	10-63-3054	5	.55	.49	.45

Vertical Headers with Friction Lock

2099542	10-31-1028	2	$.69	$.59	$.49
519654	10-31-1058	5	1.09	.99	.89

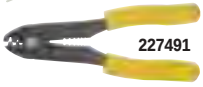
Hand Tools for Mini-Fit Jr.™

★Web Code: EBU

304928

304936

308030


227491

304928: Crimp tool wire range from 14-24 AWG, 8.5"L
304936: Extraction tool, 3.5"L
308030: Cuts & strips 14-24 AWG, 8.3"L
227491: Cuts & strips 18-30 AWG, 8.3"L

Part No.	Mfr.	Mfr. No.	1	5
304928	Molex	63811-1000	$49.95	$44.95
304936	Molex	11-03-0044	19.95	18.95
308030	GC/Waldom	W-HT-1919	14.95	13.95
227491	GC/Waldom	W-HT-1921	14.95	13.95

JAMECO ValuePro .100" (2.54mm) Keyed Shrouded Headers & Connectors

CD-ROM 4-Pin

★Web Code: XAW

152741

152726

152734

- Low profile
- Voltage rating: 250VAC/DC
- Current rating: 3A AC/DC
- Insulation res.: 1000MΩ min.
- Pin material: tin-plated brass
- Connector material: PBT, 30% glass
- Header material: PBT + 30% glass
- Withstanding volt.: 1000VAC/ 1 min.
- Recommend crimp tool P/N 99443, pg 157

✳ Order in multiples of 10

Part No.	Description	1	10	100
152741	Straight header	$.49	$.45	$.39
152726	Rt. angle header ℛ	.59	.55	.49
152734	Single w/ latch ℛ†	.49	.45	.39
181673	Female pins	✳	.05	.04

† P/N 152734 requires 4 pins (P/N 181673)

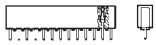
AMP AMPMODU™ .100" (2.54mm) Receptacle

- Double row, center polarized, crimp snap-in (MOD IV)
- Black thermoplastic, flame retardant

Part No.	Mfr. No.	Pos.	Width (in.)	1	10
496165	102387-3ℛ	16	0.980	$1.69	$1.49

JAMECO ValuePro .100" (2.54mm) Female Header Receptacles

Right Angle


Straight

• Gold-plated contacts (†tin-plated) ★Web Code: RAH

Double Row Right Angle (Side Entry)

Part No.	Mfr.	Contacts	1	10	100
71159	ValuePro	20	$1.19	$1.05	$.85

Single Row Straight (Top Entry)

70755	ValuePro ℛ	8	$.45	$.35	$.29
200783	ValuePro ℛ	12	.55	.45	.39
308592	ValuePro ℛ	16	.65	.55	.49
308567	ValuePro ℛ	20	.75	.69	.55

Double Row Straight (Top Entry)

70721	ValuePro ℛ	16	$.85	$.75	$.65
70827	ValuePro ℛ	20	.95	.85	.75
105057	ValuePro ℛ	30	1.09	.95	.85
163862	Various	34†	.95	.85	.75
111705	ValuePro ℛ	40	1.29	1.15	.95

.100" (2.54mm) IDC Ribbon Connectors

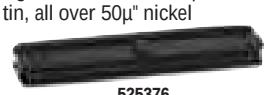
Center and Military Polarized Receptacles

- Accepts 28-26AWG solid or stranded cables
- Contact current rating: 1A continuous
- Housing, cover: 94V-0 rated thermoplastic, black
- Contacts: phosphor bronze, duplex plating

Contact Plating: AMP 3M

A: 30µ" gold, 50µ" min. tin
B: 15µ" gold, 100µ"~200µ" tin
C: 15µ" gold, 100~200µ" tin lead, all over 50µ" min. nickel
D: 30µ" gold,100~200µ" bright tin lead, all over 50µ" nickel
E: 15µ" gold, 50µ" min. tin, all over 50µ" nickel

525317


525376

★Web Code: RDM

1578111

526045

Part No.	Mfr.	Product No.	Pos.	Plating	1	10	100
901642	AMP	1658622-1ℛ	10	A	$1.49	$1.35	$1.19
525309	AMP	746285-1	10	C	1.19	1.05	.95
742215	AMP	1658621-1ℛ	10	B	1.19	1.05	.95
1578082	3M	89110-0101ℛ	10	A	1.19	1.05	.95
525317	AMP	746285-2	14	C	1.39	1.25	.95
1578091	3M	89114-0101ℛ	14	A	.95	.85	.75
525325	AMP	746285-3	16	C	1.45	1.29	1.05
1578111	3M	89116-0101ℛ	16	A	.95	.85	.75
525333	AMP	746285-4	20	C	1.49	1.35	1.09
901482	AMP	1658621-4ℛ	20	B	1.59	1.45	1.25
1578146	3M	89120-0101ℛ	20	A	.95	.85	.75
525413	AMP	746288-6	26	D	1.49	1.35	1.19
901520	AMP	1658621-6ℛ	26	E	1.95	1.85	1.55
525341	AMP	746285-6	26	C	1.69	1.49	1.35
1578171	3M	89126-0101ℛ	26	A	1.19	1.05	.95
525350	AMP	746285-8	34	C	1.79	1.49	1.29
1578197	3M	89134-010ℛ	34	A	1.29	1.15	1.05
525368	AMP	746285-9	40	C	1.95	1.75	1.55
525376	AMP	1-746288-0	50	D	2.85	2.55	2.29

Strain Relief for NOVO Receptacles

Part No.	Mfr.	Mfr. No.	Pos.	1	10	100
526045	AMP	499252-5ℛ	10	$.29	$.25	$.19

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

AMP .100" (2.54mm) AMPLATCH™ Ribbon Connectors

Low-Profile Shrouded Headers with 0.150" End Dimension, Dual Row

496085

- 0.120" solder tail
- 0.025" square posts
- Housing: black thermoplastic, UL94V-0 rated
- Contact: phosphor bronze

★*Web Code: UCB*

Contact Plating:

A: 30µ" gold in contact area, 100µ" ~ 200µ" tin/lead on solder tail, all over 50µ" nickel;
B: 30µ" gold on mating area, 100µ" min. tin on solder end, all over 50µ" nickel;
C: 15µ" gold in contact area, 100µ" ~ 200µ" tin/lead on solder tail, all over 50µ" nickel;
D: 15µ" gold in contact area, 100µ" ~ 200µ" tin on solder tail, all over 50µ" nickel

Straight (no latch)

Part No.	Mfr. P/N	Pos.	Plating	1	10	100
496051	103309-1	10	A	$.65	$.59	$.49
850216	5103308-1ℛ	10	D	.69	.59	.49
753571	5103309-2ℛ	14	B	1.35	1.19	1.05
496093	103309-5	20	A	1.49	1.35	1.19
496085	103308-5	20	C	1.19	1.05	.95
496296	103308-6	26	C	1.39	1.25	1.09
737723	103309-7	34	A	1.95	1.75	1.55
496114	103309-8	40	C	1.89	1.69	1.49

Right Angle (no latch)

Part No.	Mfr. P/N	Pos.	Plating	1	10	100
496131	103310-1	10	C	$.95	$.85	$.75
737740	103310-2	14	C	1.29	1.05	.95
737774	103310-6	26	C	1.95	1.75	1.39

★*Latch DIP Plugs Online — Enter Web Code EAQ*

JAMECO ValuePro .100" (2.54mm) Low Profile Male Shrouded Headers

Straight Double Row

68179

- Rating: 1A (max.) @ 250VDC
- Contact resistance: 15mΩ max.
- Contact: phosphor bronze, gold plated
- Features: UL recognized CSA certified; 0.025" square post mates with sockets on 0.100" x 0.100" grid
- Use with IDC socket connectors, right

★*Web Code: JAH*

Part No.	Product No.	Pos.	1	10	100
67812	7110-10SGℛ	10	$.49	$.45	$.39
68180	7110-16SGℛ	16	.49	.45	.39
68292	7110-20SGℛ	20	.55	.49	.39
68372	7110-26SGℛ	26	.55	.45	.35
68583	7110-34SGℛ	34	.89	.69	.49
181105	7110-40SGℛ	40	1.49	1.15	.89

★*.200" Drive Power Connectors & Crimp Terminals Available Online — Enter Web Code ABU*

IDC Connector Crimping Tool

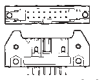
- Use for IDC socket connectors
- Crimping distance: 27.5mm to 6mm (with attachment)
- Size: 9.2"L x 3.0"W
- Weight: 1.1 lbs.

Part No.	Product No.	1	10	25
73252	HT214ℛ	$15.95	$14.39	$12.95

.100" (2.54mm) Straight Male Headers

★*Web Code: VAQ*

Double Row w/ Standard Latch



71830

- 0.1" contact center
- Mount vertical
- Keying slot
- Use w/ IDC socket connectors, right below

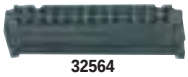
Part No.	Mfr.	Pins	1	10	100
117664	ValuePro	10-pinℛ	$.65	$.55	$.49
687720	Circuit Assembly	14-pin	.45	.35	.25
1928169	On Shore	16-pin	.49	.39	.29
71830	ValuePro	20-pinℛ	.95	.85	.75
2076375	CW Ind.	20-pinℛ†	1.25	.95	.75
71933	ValuePro	26-pinℛ	1.29	1.15	.95
1928177	On Shore	34-pin	.89	.69	.55
1928185	On Shore	34-pin†	.89	.69	.55
72216	ValuePro	50-pinℛ	1.49	1.35	1.19

† Right angle

JAMECO ValuePro .100" & 2mm IDC Socket Connectors

JAMECO EXCLUSIVE

Double Row


32564

- Current rating: 1A
- Mates with 2 rows of .025" sq. or dia. posts on patterns of .100" centers (male headers, pg 73)
- Contact material: phosphor bronze w/ 1µ" gold flash on mating area, tin plated on termination area
- Industry standard IDC socket (plastic)
- Temp. rating: -55°C to +105°C
- Use crimper P/N 73252, below left

★*Web Code: QAE*

Polarized

Part No.	Product No.	Contacts	1	10	100
32492	8000-10ℛ	10	$.29	$.25	$.19
153948	8000-14ℛ	14	.35	.29	.25
119467	8000-16ℛ	16	.39	.35	.29
32522	8000-20ℛ	20	.45	.39	.35
32564	8000-26ℛ	26	.49	.45	.39
32644	8000-34ℛ	34	.55	.49	.45
32679	8000-40ℛ	40	.59	.55	.49
100386	110-44	44 (2mm)	.59	.55	.49
32708	8000-50ℛ	50	.65	.59	.55
32759	8000-60ℛ	60	.89	.79	.69

Non-Polarized

Part No.	Product No.	Contacts	1	10	100
138325	8000-20NE	20	$.29	$.25	$.19
138333	8000-26NE	26	.35	.29	.25
138341	8000-34NE	34	.39	.35	.29
138350	8000-40NE	40	.45	.39	.35
138368	8000-50NE	50	.49	.45	.39

★*Universal Connectors Online — Enter Web Code GAU*

★*Four Wall Headers Online — Enter Web Code LDV*

3M .100" (2.54mm) IDC Wiremount Socket Connectors

.100" x .100" for .050" Pitch Cables

- Insulation: glass filled polyester (PBT), gray, UL94V-0
- 100µ" nickel underplating & U-slot; 30µ" gold wiping area
- Copper alloy contacts
- Current rating: 1A
- Withstanding voltage: 1000V_{RMS}
- Insulation resistance: 1MΩ @ 500VDC
- Accepts 26-28AWG solid or stranded wires
- Open end, center bump, military

★*Web Code: ADV*

3000 Series With Strain Relief

Part No.	Mfr. Part No.	Pos.	1	10	100
1576407	3421-6620ℛ	20	$3.95	$3.55	$3.19

8000 Series With Strain Relief

- Contact: phosphor bronze, 30µ" nickel underplating
- Without center bump

Part No.	Mfr. Part No.	Pos.	1	10	100
1578074	89110-0001ℛ	10	$.85	$.75	$.69

JAMECO ValuePro .100" IDC DIP Flat Cable Plugs

42674

- Mates with standard 14, 16, 20, 24, 26, 28 & 40-pin DIP sockets with 0.1" spacing
- Uses 28 AWG flat ribbon cable, pg 59
- Plastic with gold-plated contacts
- Current rating: 1A

★*Web Code: KEF*

Part No.	Prod. No.	Width	Contacts	1	10	100
42658	8200-14ℛ	0.3"	14	$.45	$.39	$.35
42674	8200-16ℛ	0.3"	16	.55	.49	.45
104097	8200-20ℛ	0.3"	20	.65	.55	.49
42691	8200-24ℛ	0.6"	24	.75	.65	.55
99670	8200-28	0.6"	28	.85	.75	.65
42712	8200-40ℛ	0.6"	40	.95	.85	.75

JAMECO ValuePro .100" IDC Plug Connector

Double Row

- Shrouded header without mounting ears • Plastic
- Contact: gold-plated phosphor bronze
- Use with IDC socket for connectors above

JAMECO EXCLUSIVE

Part No.	Product No.	Contacts	1	10	100
29217	8400-50	50	$1.95	$1.65	$1.25

JAMECO ValuePro IDC Centronics Connector

- Contact material: gold plated phosphor bronze; plastic casing
- Current rating: 1 amp
- Temp. rating: -55°C to +105°C
- Use 73252 IDC crimping tool, below left

Part No.	Description	1	10	100
13849	36-pin maleℛ	$2.49	$2.29	$1.95

PANAVISE Arbor Press, IDC Kit and Cable Cutter

2082601: 502 Arbor Press

2082601

- Precision ¼ ton (227kg) pressure
- 4 adjustable nylon gibs provide exceptional arm control
- Base footprint: 3.7" x 7" with 4 counter sunk holes • 8" arm

2082610: 506 IDC Kit

2082610

- For low volume mass termination (up to 64-pin conductor wire) of various IDC connectors on ribbon cables
- For independent repair technicians and in-house service

27182: 507 Cable Cutter

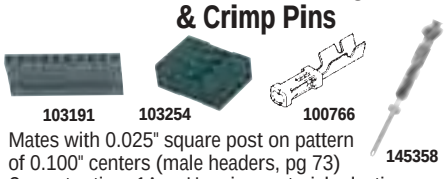
27182

- Perfect right angle cut
- Accommodates up to 68-pin, 14 AWG, 3.22"W flat ribbon cable • Spring loaded blade arm

Part No.	Mfr. P/N	Description	1	5
2082601	502ℛ	Arbor press	$174.95	$159.95
2082610	506ℛ	IDC kit	58.95	51.95
27182	507ℛ	Cable cutter	64.95	59.95
27203	510ℛ	Base plate	29.95	27.95

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

.100" (2.54mm) Non-Polarized Connector Housings & Crimp Pins



- Mates with 0.025" square post on pattern of 0.100" centers (male headers, pg 73)
- Current rating: 1A • Housing material: plastic
- Pin material: brass/tin plated • 26-22 AWG
- Temperature rating: -55°C to +105°C
- Use crimper P/N 159266 , pg 157

Single Row

★Web Code: YAL

Part No.	Cross Ref.	Contacts	1	10	100
100812	SCH2℞	2	$.25	$.15	$.12
157383	SCH3℞	3	.25	.19	.15
100803	SCH4℞	4	.29	.25	.19
163686	SCH5	5	.35	.29	.25
103212	SCH6℞	6	.39	.35	.29
103203	SCH8℞	8	.45	.39	.35
103191	SCH10℞	10	.49	.45	.39
103182	SCH20℞	20	.55	.49	.45
103158	SCH36℞	36	.59	.55	.49

Double Row

★Web Code: SAM

Part No.	Cross Ref.	Contacts	1	10	100
103254	DCH8℞	8	$.45	$.39	$.35
157421	DCH10℞	10	.49	.45	.39
157438	DCH14	14	.49	.45	.39
103238	DCH16℞	16	.49	.45	.39
103230	DCH20℞	20	.55	.49	.45
157462	DCH40	40	.59	.55	.49
157472	DCH50℞	50	.65	.59	.55

Crimp Pins for Single/Double Row Housings

• Order in multiples of 10

★Web Code: XAL

Part No.	Cross Ref.	Contacts	10	100	500
100766	FCH1℞	Female pin	$.15	$.13	$.09
145358	MCH1℞	Male pin	.19	.15	.12

.100" MTE AMPMODU Pin Housings

AMP

- Single row
- Latched polarization
- Mating lock connector
- 0.100" center line
- Black thermoplastic, UL94V-0

Part No.	Mfr. Part No.	Pos.	1	10	100
496392	103653-1℞	2	$.49	$.45	$.39
496405	103653-2℞	3	.55	.49	.45
496413	103653-3℞	4	.59	.55	.49

PC Card-Edge Connectors

- Fits all PC boards
- 0.054" to 0.070" thick

★Web Code: XEE

Solder Eyelet 0.140" Spacing Between Rows

- Contact centers: 0.156" • With mounting ears

Part No.	Mfr.	Positions	1	10	100
422983	Cinch	10/20	$2.95	$2.65	$2.39
39117	ValuePro℞	22/44	3.95	3.55	3.19

Solder Tail 0.200" Spacing Between Rows

- Contact centers: 0.100"
- Without mounting ears • Tin

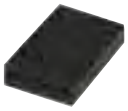
Part No.	Mfr.	Positions	1	10	100
40694	ValuePro	31/62 (PC/AT)	$.95	$.89	$.79
1945049	Various	50/100	.79	.69	.59

★Card Edge Connectors Online — Enter Web Code YEE

AMPMODU™ .100" (2.54mm) Receptacle Housing & Contacts

AMP

Single Row, Non-Polarized, Crimp Snap-In (MOD IV)



- No PC with UMN
- Black thermoplastic, flame retardant

Part No.	Mfr. Part No.	Pos.	Width	1	10	100
526871	87499-3℞	2	0.205"	$.95	$.85	$.75
526889	87499-5℞	3	0.305"	.95	.85	.75
526897	87499-7℞	4	0.405"	.95	.85	.75

Standard Pressure Receptacle Contacts (MOD IV)

- Material: phosphor bronze
- No PC with UMN
- Plating:

527419: 15µ" gold in contact area, 100µ" – 200µ" bright tin lead, all over 50µ" nickel

527486: Pre-plated 50µ" – 150µ" bright tin

Part No.	Mfr. Part No.	1	10	100
527419	87523-6	$.35	$.29	$.25
527486	1-87523-6℞	.25	.19	.15

ARIES DIP Headers

★Web Code: XBS

Series 600 Headers w/ Coined Contacts

- Standard cover/body material is red UL 94-HB glass filled nylon
- High temperature cover/body material is black UL 94V-0 4/6 nylon
- Contact plating: 100µ" min., tin
- Contact rating: 2A
- Operating temp.: 221˚F (105˚C) max.
- Fork contacts: accept up to .025" (.64mm) dia. leads

Part No.	Mfr. Part No.	Pos.	Width*	1	10	100
291120	08-600-10℞	8	0.3"	$1.19	$1.05	$.95
291312	14-600-10℞	14	0.3"	1.49	1.29	1.05
291574	16-600-10℞	16	0.3"	1.65	1.45	1.15
291996	24-600-10℞	24	0.6"	2.55	2.25	1.85

* Center to center pin width

CA .100" DIP Header Plugs

- Gold-plated leads
- Header plugs: keyed corner to indicate pin 1
- U-shaped pin termination for easy component attachment
- Lead length: 0.188" • 0.1" spacing between leads

★Web Code: UBP

Part No.	Mfr. Part No.	Width	Pins	1	10	100
104337	08P-2℞	0.3"	8	$1.29	$1.15	$1.05
37130	14P-2℞	0.3"	14	1.55	1.35	.95
37331	16P-2℞	0.3"	16	2.15	1.89	1.39

★Keyboard Adapters Online — Enter Web Code RAV

★Card Extenders Online — Enter Web Code PAA

★PCB Connectors Online — Enter Web Code EEN

More Information Online

Compare products online to quickly find the products you want with the specifications and real time product availability. Purchasing products has never been easier.

www.Jameco.com

CINCH Jones Plugs and Sockets

Series 300 Multiple-Density Solder-Eyelet Connectors

- Insulation material: molded monoblock, black phenolic
- Contact material: plug – brass; socket – phosphor bronze
- Contact plating: cadmium
- Current rating: 10 amps
- Operating voltage: 250VAC max.
- Contact resistance: 16mΩ max.
- Hood material: UL 94V-0 rated thermoplastic

Sockets with Hood and 180˚ Clamp ★Web Code: WBP

Part No.	Mfr. Part No.	Contacts	1	10
248807	S-302H-CCT℞	2	$3.35	$2.69
248823	S-304H-CCT℞	4	4.95	4.25
248831	S-306H-CCT℞	6	5.79	4.79

Plugs with Hood and 180˚ Clamp

Part No.	Mfr. Part No.	Contacts	1	10
248760	P-302H-CCT℞	2	$2.95	$2.65
248786	P-304H-CCT℞	4	3.95	3.49
248794	P-306H-CCT	6	4.49	3.95
445982	P-315-CCT	15	8.95	7.95

Series 2400 Multiple-Density Solder-Eyelet Connector

- Current rating: 15A
- Current resistance: 1mΩ max.
- Operating voltage: 250VAC
- Plug prongs are 0.250"W x 0.55"Th.
- For use in cable-to-cable and cable-to-panel applications
- Socket contacts have solder eyelets with 0.093" dia.
- Insulation material: molded monoblock, general purpose phenolic, black • Contact plating: cadmium
- Contact material: plug–brass; socket–phosphor bronze
- Hood material: formed metal with dielectric liner

Plug with Hood and 180˚ Clamp ★Web Code: LCA

Part No.	Mfr. Part No.	Contacts	1	10	100
428197	P-2408H-CCT	8	$11.95	$10.75	$9.89

Socket with Hood and 180˚ Clamp

Part No.	Mfr. Part No.	Contacts	1	10	100
444699	S-2408H-CCT℞	8	$8.79	$7.95	$7.35

FT Connector Assembly SFP

Small Form-Factor Pluggable

AMP

- Right angle 0.8mm pitch
- Contact: phosphor bronze
- Housing: high-temperature LCP UL94V-0 rated, black
- Plating: 0.38µ" min. gold in contact area, 13µ" min. gold in solder area, 38µ" min. nickel underplate

Part No.	Mfr. Part No.	Positions	1	10	100
741010	1367073-1℞	20	$2.49	$2.25	$2.15

Mini DIN & DIN Panel Mount Female Sockets

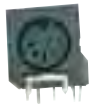
- With solder lugs
- Metal body

★Web Code: FAB

Part No.	Cross Ref.	Decription	1	10	100
2076754	MDPM5	5-pin mini DIN	$1.19	$1.05	$.89
2076762	MDPM6℞	6-pin mini DIN	1.29	1.15	.95
2076771	MDPM8℞	8-pin mini DIN	1.39	1.25	1.09
15844	DINJ5℞	5-pin DIN	.95	.75	.65
15852	DINJ6℞	6-pin DIN	1.05	.85	.75
15861	DINJ8℞	8-pin DIN	1.19	.95	.79

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Mini-DIN & DIN PC Mount Right Angle Female Sockets


29399

140791

207722

- Set back: 0.5"

119475: Plastic/metal body **29399:** Plastic body

Unshielded (DIN)

Part No.	Cross Ref. No.	Description	1	10	100
29399	RD5	5-pin DIN	$.69	$.59	$.45

Shielded (Mini DIN & DIN)

140791	MDR4S	4-pin mini DIN	$.59	$.55	$.45
2076720	MDR5S	5-pin mini DIN	.59	.55	.45
119475	MDR6S ℛ	6-pin mini DIN	.89	.79	.69
207722	MDR8S	8-pin mini DIN	.95	.89	.69
2076746	MDR9S	9-pin mini DIN	.95	.85	.75
2077811	DRA5S	5-pin DIN	.95	.85	.75
29410	RD8	8-pin DIN	.75	.69	.59

Mini-DIN & DIN Plugs & Receptacles

JAMECO ValuePro

★Web Code: DAV

177236

15887

JAMECO EXCLUSIVE

- Solder barrels w/ strain relief
- See pg 58 for cable

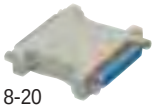
Part No.	Pins	Type	1	10	100
142280	4	Mini DIN plug ℛ	$.75	$.69	$.59
142262	6	Mini DIN plug ℛ	.95	.85	.75
177244	6	Mini DIN receptacle	.95	.85	.75
111878	8	Mini DIN plug ℛ	1.09	.89	.75
177236	8	Mini DIN receptacle	1.19	1.09	.85
15879	5	DIN plug ℛ	.55	.45	.35
180873	5	DIN receptacle	.75	.59	.55
15887	6	DIN plug ℛ	.65	.49	.45
15895	8	DIN plug ℛ	.69	.55	.49

Full Handshaking Null Modem Adapter

JAMECO ValuePro

★Web Code: HAD

Self-contained null-modem (cross-over) adapters. Change any standard straight cable into a null cable quickly and easily.



- Internal pin configuration: 1-1, 2-3, 3-2, 4-5, 5-4, 6-20, 20-6, 7-7, 8-20

Part No.	Description	1	10	100
17224	DB25 F to DB25 F	$3.49	$3.15	$2.85

Computer Card Brackets

- For securing cards into bus slots
- Fits PC/XT/AT cases
- Length: 4.75"
- See pg 67 for DB connectors

Fig. 1 2 3 4 5

★Web Code: EAM

Part No.	Description	Fig.	1	10	100
11755	Blank back panel ℛ	1	$.95	$.85	$.75
101717	For DB9 connector	2	.35	.29	.25
101733	For DB25 connector	3	.35	.29	.25
101742	For DC37 connector ℛ	4	.49	.39	.29
101831	For DB9/DB25 conn. ℛ	5	.49	.39	.29

D-Sub 9-Pin to 25-Pin Serial Adapters

JAMECO ValuePro

★Web Code: AAA

- For use in AT or other computer systems that have 9-pin D-sub serial ports

10305

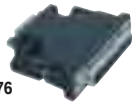
664296: Thumbscrews on both sides

10321: For PC/XT systems with DB25 serial ports.

139986

139986: Gold-plated contacts, extra long thumbscrews

163740/153576: For PC/XT systems with DB25 serial ports.


153576

Part No.	Description	1	10	100
10305	DB9 F to DB25 M	$3.15	$2.65	$1.95
664296	DB9 M to DB25 M+	1.95	1.75	1.59
10321	DB9 M to DB25 F	4.49	3.95	3.65
163740	DB9 M to DB25 F, thumbscrews on DB9 side only	1.95	1.75	1.59
153576	DB9 M to DB25 F, thumbscrews on DB25 side only	2.95	2.49	1.95
139986	DB9 F to DB25 F ℛ	2.35	2.15	1.89

D-Sub Gender Changers

JAMECO ValuePro

★Web Code: LAB

- Standard 9 and 25-pin D-sub male and female gender changers for interfacing two cables or connectors of the same gender

22074

Part No.	Description	1	10	100
16636	D-sub 9-pin male ℛ	$1.95	$1.75	$1.59
16643	D-sub 9-pin female ℛ	2.25	1.95	1.75
22074	D-sub 25-pin female	1.95	1.75	1.59

Slim-Line D-Sub Gender Changers

18498

56071

18447

For Confined Applications!

These revolutionary slim-line gender changers are only 0.69" wide, eliminating the space problems caused by standard gender changers. When plugged into your existing cable, they add only 0.44" to the cable. All-metal cases.

- Captive locking screw (male)
- Captive locking nut (female)
- Grounding tangs (male)
- Tin plated shells

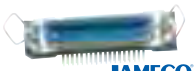
★Web Code: YAB

Part No.	Description	1	10	100
18498	9-pin male to male ℛ	$2.49	$2.25	$1.95
18489	9-pin female to female	2.49	2.25	1.95
56071	15-pin male to male	2.95	2.65	2.39
56063	15-pin female to female	2.95	2.65	2.39
119320	15-pin female to female HD ℛ	2.95	2.65	2.39
119301	15-pin male to male HD	2.95	2.65	2.39
18447	25-pin male to male ℛ	2.95	2.65	2.39
18420	25-pin female to female	2.95	2.65	2.39
170085	25-pin male to female (pass thru)	2.95	2.65	2.39

PCB Centronics Connector

JAMECO ValuePro

- Solder-type contacts
- Space between rows: 0.164"
- Space between pins: 0.1"
- Metal body
- PC mount



★Web Code: VAJ

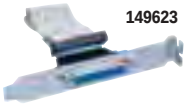
JAMECO EXCLUSIVE

Part No.	Description	1	10	100
72151	36-contact F, rt angle	$2.95	$2.49	$1.85

Panel Bracket Cable Assemblies

- Standard back panel bracket
- Ribbon cable with header connector
- Length: 12"

★Web Code: RAX


149623

355688: 1 serial port
149623: 1 parallel port
149614: 2 serial port

Part No.	Description	1	10	100
355688	DB9M to 10-pin header F	$3.95	$3.49	$2.95
1952265	DB9F to 10-pin header F	2.95	2.65	2.35
149614	DB9M to 10-pin header & DB25M to 10-pin header	3.95	3.49	2.95
149623	DB25F to 26-pin header F ℛ	3.95	3.49	2.95

SCSI Adapter

125241: 50-pin ribbon header to HPDB50 female SCSI II

★Web Code: PAD

Part No.	Description	1	10	100
125241	50-pin header to HPDB50 F	5.95	5.35	4.75

PS/2 – USB Adapter

This adapter allows you to use your PS/2 compatible mouse and keyboard as USB compatible devices.

- USB - A Male to two PS/2 female connectors
- Color coded PS/2 connectors for keyboard & mouse

Part No.	Length	Housing	1	5	25
645351	13"	USB adapter	$10.95	$9.95	$8.95

USB-A & B Connectors

1.0 & 2.0 Female Connectors

161024 (USB-A 1.0)

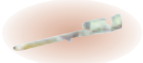
2076551 (USB-A 2.0)

230958 (USB-B 2.0)

841053 (USB-B)

2096181 (USB-A)

★Web Code: DAZ


230965

- PC mount right angle with board locks

2076551: Dual **2096202**: RA vertical
2097011: Vertical **2096253**: USB-B SMT
2096261: Mini USB-B RA SMT
2096270: Mini USB-AB RA SMT
230965/159724: Male crimp pins for 2.0

NEW MARKED IN PINK

✳ Order in multiples of 10

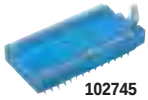
Part No.	Mfr.	Product No.	1	10	100
161024	ValuePro	1040 ℛ	$.89	$.79	$.69
2076551	KobiConn	UAR64-8W2100	.95	.79	.49
230958	ValuePro	USB-B-S-RA-WT ℛ	.95	.89	.79
841053	AMP	292304-1 ℛ	1.49	1.35	1.19
2096181	Adamtech	USB-A-S-RA ℛ	.39	.35	.29
2096202	Adamtech	USB-A-S-RU ℛ	.49	.45	.39
2097011	Adamtech	USB-A-S-VT ℛ	.39	.35	.29
2096253	Adamtech	USB-B-S-RA-SMT ℛ	.95	.85	.75
2096261	Adamtech	MUSB-B5-S-RA-SMT ℛ	.95	.85	.75
2096270	Adamtech	MUSB-AB1-S-RA-SMT ℛ	.95	.85	.75
230965	ValuePro	TATBA000K ℛ	✳	.07	.05
159724	ValuePro	20-P025G ℛ	✳	.07	.05

IC Sockets & Single/Dual In-Line Strip Sockets

ARIES Low Profile ZIF Sockets

Series 526

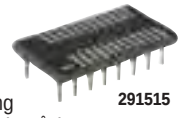
★Web Code: UBX


102745

- Body: UL 94V-0 glass-filled polyester thermoplastic
- Beryllium copper alloy spring tempered contacts w/ 200µ" (5.08µm) tin plating
- Contact res.: 10mΩ max. • Contact current: 2A
- Breakdown voltage: 1000VAC min.
- Center pins: .600" (15.24mm) • Zinc alloy cam
- Operating temp.: -67˚F to 221˚F (-55˚C to 105˚C)
- Suggested PCB hole size: .035" (0.89mm) Dia.

Part No.	Mfr. P/N	Pins	L" x W"	1	5	25
296789	24-526-10ℛ	24	1.45 x .75	$5.65	$4.79	$3.65
102745	28-526-10ℛ	28	1.64 x .75	7.95	7.15	6.45
102753	40-526-10ℛ	40	2.24 x .75	9.75	8.79	7.89

ARIES SOIC/SOJ to DIP Adapters


291515

- Board material: 0.062" thick FR-4 w/ 1 oz. copper traces on both sides
- Brass alloy pins with 200µ" (5.08µm) min. tin plating
- Operating temperature: 221˚F (105˚C) max.
- Suggested PCB hole size: 0.028" (0.71mm) Dia.
- Center pins: 0.300" (7.62mm)

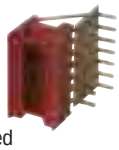
★Web Code: YBS

✪ Blue Part No. = Limited Quantity Available

Part No.	Mfr. P/N	Pins	L"xW"	1	10	100
291208	08-350000-10ℛ	8	.400 x .46	$5.95	$5.35	$4.79
291292	14-350000-10ℛ	14	.700 x .45	6.29	5.65	5.09
291515	16-350000-10ℛ	16	.800 x .45	6.39	5.75	5.15
291864	18-350000-10✪	18	.900 x .45	6.49	5.85	5.25
291980	24-350000-10ℛ	24	1.20 x .45	6.59	5.95	5.35

ARIES Series 800 Vertisockets

With Bifurcated Contacts



- Body material: UL 94-HB glass filled nylon
- Phosphor bronze spring tempered bifurcated contacts
- Contact current: 1.5A • Gold plated
- Contact plating: 100µ" (2.54µm) tin or 10µ" (.254µm) gold • Center pins: 0.200"
- Suggested PCB hole size: 0.044" (1.12mm) dia.

Part No.	Product No.	Pins	L"xW"	1	10	100
291485	14-823-90	14	1.4 x .39	$3.89	$3.49	$3.15

ARIES High Temp. Universal ZIF Test Sockets

Series 6554

★Web Code: AAN

295162

- Accepts devices on .300" to .600" (7.62mm to 15.24mm) centers
- -10: 100µ" tin over 50µ" nickel; -11: 10µ" gold over 50µ" nickel
- Operating temperature: -10: 221˚F (105˚C) – tin plating; -11: 302˚F (150˚C) – gold plating
- Socket body: UL 94V-0 glass-filled PPS
- Beryllium copper contact plating
- Stainless steel handle • Center pins: 0.600"
- Insulation res.: 1000MΩ • Contact current: 1A
- Dielectric withstanding voltage: 1000VAC

Part No.	Mfr. P/N	Pins	L" x W"	1	5	25
103992	24-6554-10ℛ	24	1.8 x 0.9	$7.85	$6.95	$6.29
104003	28-6554-10ℛ	28	2.0 x 0.9	8.95	8.09	7.25
104012	32-6554-10ℛ	32	2.1 x 0.9	9.95	8.95	7.95
104030	40-6554-10ℛ	40	2.5 x 0.9	11.95	10.75	9.69
295162	28-6554-11ℛ	28	1.4 x 0.9	14.95	13.95	12.95
295209	32-6554-11ℛ	32	1.6 x 0.9	13.59	12.25	10.95
295233	40-6554-11ℛ	40	2.0 x 0.9	16.25	14.59	13.15

ARIES Universal SOIC to .600" DIP Adapter

Series 647

- Brass alloy female pin body with 200µ" (5.08µm) tin/lead plating
- Beryllium copper 4-fingered collet contact with 10µ" (0.25µm) gold over nickel plating
- Phosphor bronze alloy male pin with 200µ" (5.08µm) tin/lead plating • Contact current: 3A
- Suggested PCB hole size: 0.028" diameter

Part No.	Product No.	Pos.	1	5
295283	44-647-10	44	$89.95	$79.95

Audio/Video Adapter

- Converts impedance of video/audio signals (NTSC & PAL) to 100Ω for transmission over CAT 5 UTP cable
- Video trans. distance: 1000' color/ 2000' black/white
- Signal pair: Video (BNC), CAT pair 1 (RJ45)

Part No.	Description	1	5
210471	BNC/RJ45 with cable	$19.95	$17.95

AUGAT HOLTITE Series Zero-Profile Press-Fit Sockets

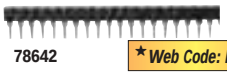
- Contact resis.: 10mΩ max. • Finish: gold
- Contact rating: 3A • Carrier strip: mylar
- Contact: beryllium copper
- Round lead: .025" to .035" dia. (848132); .016" to .021" dia. (620251)

Order in multiples of 10

Part No.	Product No.	10	100
620251	8134-HC-5P2ℛ	$.19	$.15
848132	8134-HC-8P2ℛ	.29	.25

JAMECO ValuePro .100" Single-In-Line Strip Sockets

JAMECO EXCLUSIVE


78642

104054

★Web Code: KAM

- Machine tooled • Solder tail or wire wrap
- Standard lead length: .160" • Single or double row

Part No.	Description	1	10	100
164822	4-pin straight single row	$.89	$.75	$.59
138684	5-pin straight single row	.95	.85	.65
102201	10-pin straight single rowℛ	1.19	.95	.75
78642	30-pin straight single rowℛ	1.49	1.29	.95
175920	36-pin straight single rowℛ	1.75	1.59	1.29
101283	20-pin WW2 single rowℛ †	1.95	1.75	1.59
104054	30-pin WW3 single rowℛ *	2.95	2.59	2.39

† Lead length: .435"(2) * Lead length: .575" (3)

JAMECO ValuePro Machine Contact Dual-In-Line Female Sockets

184613

- 0.100" centers • Pin sleeve: tin
- Solder tail contact: .114"L
- Contact clip: gold

✪ Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	Pins	1	10	100
212856	SA101000ℛ	10	$.95	$.85	$.75
212863	SA121000	12	.95	.85	.75
212871	SA141000	14	.95	.85	.75
212880	SA161000	16	1.09	.99	.89
184613	SA201000ℛ	20	1.09	.99	.89
212901	SA221000	22	1.09	.99	.89
212919	SA241000 ✪	24	1.25	1.09	.99
212936	SA481000ℛ	48	1.49	1.35	1.19

High-Frequency Connectors & Adapters

RF Adapters

★Web Code: RFS

Part No.	Manufacturer	Product No.	Description	1	10	50
153454	ValuePro	SB-321ℛ	SMA female to BNC male	$2.59	$2.29	$2.09
159469	ValuePro	CH-7830-Nℛ	SMA female to BNC female	3.59	3.09	2.89
153593	ValuePro	4288ℛ	SMA male to BNC male	3.95	3.55	3.19
159477	ValuePro	CH-7820-Nℛ	SMA male to BNC female	3.95	3.55	3.25
1951924	Amphenol Connex	242123ℛ	SMA in-line jack to BNC jack	8.49	7.05	6.65
1951730	Amphenol Connex	242181ℛ	SMA bulkhead jack to BNC jack	12.89	11.55	11.25
1951801	Amphenol Connex	242103ℛ	SMA in-line jack to BNC plug	9.79	7.65	7.29
1951692	Amphenol Connex	242102ℛ	SMA in-line plug to BNC jack	4.79	3.75	3.65
1951713	Amphenol Connex	242113ℛ	SMA in-line jack to N plug	7.45	6.19	5.95
1951932	Amphenol Connex	242115ℛ	SMA in-line jack to N jack	9.39	7.79	7.49
1951668	Amphenol Connex	242125ℛ	SMA bulkhead jack to N jack	8.45	7.25	6.59
1951764	Amphenol Connex	242127ℛ	SMA female to MCX male	11.95	10.95	9.95
1951810	Amphenol Connex	242163ℛ	SMA jack to N jack, panel mount	8.95	7.49	7.25
1951756	Amphenol Connex	242112ℛ✪	SMA in-line plug to N jack	9.39	7.75	7.45
1952126	Amphenol Connex	242112RPℛ	SMA in-line plug to N jack (reverse polarity)	10.65	7.75	7.45
1951879	Amphenol Connex	242114ℛ	SMA in-line plug to N plug	9.29	7.75	7.45
1951887	Amphenol Connex	2421124ℛ	SMA in-line plug to TNC jack	9.35	7.75	7.45
1951772	Amphenol Connex	242105ℛ	SMA in-line jack to TNC plug	6.95	5.95	5.49

✪ Blue Part No. = Limited Quantity Available

Continued on next page

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

HF Connectors, Adapters & Universal Hand Crimp Tools

RF Adapters (Continued)

NEW MARKED IN PINK

★Web Code: RFS

Part No.	Manufacturer	Product No.	Description	1	10	50
1951852	Amphenol Connex	242131ℛ	N-female to TNC male	$9.95	$8.95	$7.95
1951721	Amphenol Connex	242141ℛ	SMA jack to MMCX plug	12.95	11.95	10.95
1951684	Amphenol Connex	242145ℛ ✪	SMA in-line jack to SMB plug	12.49	10.65	10.39
1951748	Amphenol Connex	242149ℛ	BNC in-line jack to TNC plug	5.89	4.75	4.45
1951705	Amphenol Connex	242156ℛ	N-plug to F jack	9.95	8.95	7.95
1951781	Amphenol Connex	242185ℛ	BNC jack to SMB plug	9.95	8.95	7.95
207168	ValuePro	BJ-7072ℛ	RCA female to BNC female	2.39	2.15	1.89
114789	ValuePro	BR312ℛ	RCA female to BNC male	1.59	1.25	1.15
207176	ValuePro	BJ-7055ℛ	RCA male to BNC male	3.09	2.75	2.45
114753	ValuePro	RB312	RCA male to BNC female	1.59	1.45	1.29
114770	ValuePro	200-108	BNC female to F connector male	1.79	1.59	1.39
174255	ValuePro	TBC-176ℛ	BNC male to F connector female	2.35	1.85	1.69
309657	ValuePro	200-045	RCA female to F male adapter	1.95	1.75	1.55

✪ Blue Part No. = Limited Quantity Available

50Ω TNC Connectors

Part No.	Manufacturer	Product No.	Description	1	10	50
658611	Amphenol Connex	122140ℛ	Right angle crimp/solder plug (RG-58/58A/58C/141/303)	$3.25	$2.95	$2.85
296163	Amphenol Connex	122372ℛ	Straight crimp plug (RG-55/142/223/400)	1.59	1.45	1.39
296155	Amphenol Connex	122108ℛ	Plug crimp-crimp (RG-58/141)	1.49	1.35	1.19
2098275	Amphenol Connex	122108RPℛ	Plug crimp-crimp reverse polarity (RG-58/141)	1.99	1.89	1.75

50Ω MMCX Connectors

Part No.	Manufacturer	Product No.	Description	1	10	50
311686	ValuePro	908-43200	Right angle plug, crimp (RG-178/U)	$3.79	$3.39	$3.05
311693	ValuePro	908-43300	Right angle plug, crimp (RG-174/188/316)	2.79	2.49	2.25

UHF Connectors & Adapters

★Web Code: UCA

Part No.	Manufacturer	Product No.	Description	1	10	50
223837	Amphenol RF	83-1T	In-series T-adapter, jack-plug-jack	$9.95	$8.95	$7.95
668377	Amphenol Connex	182106ℛ	PL-259 Straight adapter, nickel finish, phenolic insulator	3.25	2.95	2.75
668385	Amphenol Connex	182107ℛ	UG-175-U Reducing adapter, nickel finish, for 668377	.55	.49	.39

50Ω Type N Connectors

★Web Code: TNC

Part No.	Manufacturer	Product No.	Fig.	Description	1	10	50
697039	Amphenol RF	82-66ℛ	1	Jack-to-jack adapter, water tight	$34.95	$31.49	$28.49
311600	ValuePro	82-97	2	50Ω receptacle jack, panel mount	3.65	2.95	2.55
311619	ValuePro	82-202-1006ℛ	3	N-clamp plugs, for B9913/TWB301 cables	4.49	3.95	3.55
296454	Amphenol Connex	172100ℛ *	4	Crimp plug captive contact (RG-58/58A/58C/141/303/LMR195/B7806A)	3.95	3.55	3.19
296489	Amphenol Connex	172103ℛ	5	Crimp jack captive contact (RG-58/58A/58C/141/303/LMR195/B7806A)	3.95	3.49	3.15
659278	Amphenol Connex	172119ℛ	6	Panel receptacle jack, solder terminal (all 50Ω coax cables)	6.95	6.25	5.59
659286	Amphenol Connex	172122ℛ	7	Plug-to-plug adapter (all 50Ω coax cables)	6.85	6.55	6.19
1956581	Amphenol Connex	172123A	8	Jack-to-jack adapter	3.95	3.55	3.19
659294	Amphenol Connex	172123ℛ *	9	Jack-to-jack adapter	4.95	4.45	3.95
659307	Amphenol Connex	172124ℛ *	10	Bulkhead jack-to-jack adapter	8.95	7.95	7.15
659315	Amphenol Connex	172126ℛ	11	Angled plug-to-jack adapter	9.95	8.95	7.95
296518	Amphenol Connex	172129ℛ	12	Bulkhead crimp jack captive contact (RG-174/188A/316/B7805A)	6.29	5.39	4.95
296569	Amphenol Connex	172138ℛ	12	Bulkhead solder jack, .085 semi-rigid (RG-405/U)	6.35	5.79	5.45
296585	Amphenol Connex	172165ℛ	12	Bulkhead crimp jack captive contact (RG-316/U double braided)	5.95	5.39	4.85
659235	Amphenol Connex	172173ℛ	13	Crimp panel jack captive contact (RG-174/188A/316/B7805A)	7.55	7.15	6.75
659171	Amphenol Connex	172180ℛ	14	Right angle crimp plug (RG-174/188A/316/B7805A)	7.95	7.49	6.95

* Use crimp tool 667921 (below)

75Ω "F" Connectors, Adapters & Terminators

★Web Code: FCA

Part No.	Manufacturer	Product No.	Fig.	Description	1	10	50
291531	ValuePro	200-028	15	Perma-seal, RG-6 coax	$.79	$.69	$.65
291725	ValuePro	200-051	16	F-jack to jack (gold)	1.39	1.25	1.15
295371	ValuePro	200-053	17	F-panel mount jack to jack (nickel)	.29	.25	.19
295380	ValuePro	200-107	18	F-right angle jack to plug (nickel)	2.35	1.95	1.65
1952943	Foxconn	200-190	19	F-right angle PC mount jack (90˚ barrel)	.95	.85	.75
289887	ValuePro	200-035	20	F-crimp on for RG-6, nickel plated	.25	.19	.15
2098267	Amphenol Connex	222113ℛ	21	F-crimp plug, 75Ω, for RG-179U	1.09	.95	.79
2099737	ValuePro	25-7010	21	F-crimp on plug for RG-6, nickel plated , 2 pcs.	.79	.69	.59

Universal Hand Crimp Tools

Part No.	Manufacturer	Product No.	Die Cavities (in.)	Cable Groups	1	5
667850	Amphenol Connex	47-10070	.255/.213/.068	RG-55/58/59/62/141/142/223/303/400 (BNC/TNC)	$74.95	$69.95
667905	Amphenol Connex	47-10150	.178/.128/.068	RG-174/188/316/179/187/180/195/178/196 (BNC/TNC)	74.95	69.95
667921	Amphenol Connex	47-10180	.255/.213/.100/.068/.052	5 cavity RG-58/59 N/BNC/TNC/SMA connectors	74.95	69.95
261745	Various	DL-806A	—	For RG-58/59, BNC/TNC connectors with 3/8" ferrule	19.95	18.95

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7

Fig. 8

Fig. 9

Fig. 10

Fig. 11

Fig. 12

Fig. 13

Fig. 14

Fig. 15

Fig. 16

Fig. 17

Fig. 18

Fig. 19

Fig. 20

Fig. 21

Fig. 22

Fig. 23

Fig. 24

Fig. 25

Fig. 26

Fig. 27

Fig. 28

Fig. 29

Fig. 30

Fig. 31

Fig. 32

Fig. 33

Fig. 34

50Ω/75Ω BNC Connectors and Adapters

★ Web Code: BCA

Plugs

Part No.	Manufacturer	Product No.	Fig.	Description	1	10	50
355099	ValuePro	31-2ℛ	1	50Ω plug, clamp, for RG-58/141/142/400 (UG-88/U)	$2.89	$2.59	$2.35
223431	Amphenol RF	31-202	1	50Ω plug, solder cup, for RG-141/58/58C/B7806A	4.95	4.49	3.95
355135	ValuePro	31-212	1	50Ω/75Ω plug, clamp, for RG-59/62/140/302	2.95	2.65	2.39
311378	ValuePro	31-315	2	50Ω plug, 3 pcs, crimp, for RG-174; 188/U	4.95	4.49	3.95
355216	ValuePro	31-315-RFXℛ	1	50Ω plug, 3 pcs, crimp, for RG-174/U; 188A/U; 316/U	1.95	1.75	1.55
188349	Amphenol RF	31-315-RFX	1	50Ω plug, 3 pcs, crimp, for RG-174/U; 188A/U; 316/U	2.29	1.95	1.75
188306	Amphenol RF	31-320-RFXℛ	1	50Ω plug, 3 pcs, crimp, for RG-58/58C/141/B7806A	1.49	1.25	1.15
355240	ValuePro	31-320-RFX	3	50Ω plug, 3 pcs, crimp, for RG-58/58C/141/B7806A	1.79	1.59	1.39
311394	ValuePro	31-321	4	50Ω plug, 3 pcs, crimp, for RG-59/U	3.49	3.15	2.79
311408	ValuePro	31-321-RFX	4	50Ω plug, 3 pcs, crimp, for RG-59	1.49	1.25	1.19
135618	ValuePro	200-141	3	75Ω plug, 3 pcs, crimp, for RG-6	1.39	1.19	1.09
71781	ValuePro	200-142	5	75Ω plug, twist-on, for RG-59	1.25	1.15	.95
71271	ValuePro	200-143	3	75Ω plug, 3 pcs, crimp, for RG-59	1.15	.95	.89
119394	ValuePro	200-144	6	75Ω plug, clamp-on, for RG-59	1.39	1.29	1.19
71482	ValuePro	200-145	3	50Ω plug, 3 pcs, crimp, for RG-58	1.65	1.49	1.45
108994	ValuePro	200-146	5	50Ω plug, twist-on, for RG-58	1.25	1.15	.95
355362	ValuePro	6775	7	50Ω plug, clamp, for RG-8/9/87A/213/214/225	3.95	3.49	2.95
295953	Amphenol Connex	112116ℛ *	8	50Ω crimp plug, captive contact, for RG-58/58A/58C/141/303	1.49	1.35	1.19
296008	Amphenol Connex	112132ℛ	8	50Ω crimp plug, captive contact, for RG-174/188A/316/B7805A	2.49	2.25	1.75
2098259	Amphenol Connex	112521ℛ	3	50Ω plug, 3-PC, crimp, for Belden 1865A/8218/B1417B/B1164B/RG-B809	1.69	1.39	1.29
311319	ValuePro	68175-5RFX	4	50Ω/75Ω plug, 3 pcs, crimp, for RG-59	1.29	1.15	.89
311327	ValuePro	69475	7	50Ω/75Ω plug, clamp, for RG-174/179/187/188/316	2.89	2.59	2.35
207183	ValuePro	BJ-70941	9	50Ω/75Ω male clamp-on, for RG-58/59	2.95	2.75	2.49
112110	ValuePro	G7409ℛ	3	50Ω male with pin and ferrule, for RG-174	3.59	3.25	2.95
311511	ValuePro	31-7000	10	75Ω plug, 3 pcs, crimp, for RG-6/212; Belden 9290/89248	3.29	2.95	2.65
311520	ValuePro	31-70008-1000	10	75Ω plug, 3 pcs, crimp, for RG-59/62; Belden 8241/8263/8279/9209	5.59	5.09	3.79
311538	ValuePro	31-71000-RFX	11	75Ω plug, 3 pcs, crimp, for RG-6/212; Belden 9290/89248	1.89	1.75	1.35
311546	ValuePro	31-71008-RFX	11	75Ω plug, 3 pcs, crimp, for RG-59/62; Belden 8241/8263/8279/9209	1.89	1.49	1.39
311554	ValuePro	31-71013-RFX	12	75Ω plug, 3 pcs, crimp, for RG-179/179B/187A; Belden 9221	1.95	1.75	1.59
311572	ValuePro	31-71032ℛ	3	75Ω plug, 3 pcs, crimp, for RG-59/140; Belden 8241/8279	2.95	2.49	1.95
295970	Amphenol Connex	112119ℛ *	8	75Ω crimp plug, captive contact, for RG-59/62/140/210	1.75	1.65	1.45
296016	Amphenol Connex	112133ℛ †	8	75Ω crimp plug, captive contact, for RG-179/187/B9221	2.25	1.95	1.75
2098241	Amphenol Connex	112491-10ℛ	3	75Ω crimp plug, for 100MHz RGB cable	2.39	1.95	1.75

Terminators

Part No.	Manufacturer	Product No.	Fig.	Description	1	10	50
71458	ValuePro	B-611T	13	BNC male terminator (50Ω)	$1.95	$1.39	$1.19
71790	ValuePro	200-177	13	BNC male terminator (75Ω, 5%)	1.65	1.29	1.09
658540	Amphenol Connex	202100ℛ	14	Male cap with chain	2.15	2.05	1.95
658523	Amphenol Connex	202103ℛ	15	50Ω terminator plug	2.25	1.89	1.69
658531	Amphenol Connex	202105ℛ	15	75Ω terminator plug	2.15	2.05	1.95

Jacks

Part No.	Manufacturer	Product No.	Fig.	Description	1	10	50
355120	ValuePro	31-203ℛ	16	50Ω jack, panel mount, solder cup	$3.95	$3.55	$3.19
355224	ValuePro	31-318-RFXℛ	17	50Ω bulkhead jack, crimp, for RG-174/U; 188A/U; 316/U	2.95	2.75	2.25
355178	ValuePro	31-221	18	50Ω jack, panel mount, solder cup (UG-1094/U)	1.95	1.75	1.59
223511	Amphenol RF	31-221ℛ	19	50Ω jack, panel mount, solder cup	2.49	2.25	1.95
658401	Amphenol Connex	112235ℛ †	20	75Ω bulkhead jack, crimp, for RG-179/U; 187A/U	2.95	2.65	2.39
296059	Amphenol Connex	112404ℛ	21	50Ω jack, PCB mount, for all 50Ω coax cables	1.65	1.55	1.49
658427	Amphenol Connex	112424ℛ	22	50Ω bulkhead jack, solder terminal	1.85	1.65	1.49
296067	Amphenol Connex	112431ℛ	23	50Ω bulkhead jack, isolated, solder terminal	3.29	3.19	2.95
658380	Amphenol Connex	112505ℛ	20	50Ω bulkhead jack, crimp, for RG-55/U; 142A/U; 223/U; 400/U	3.25	3.05	2.95
658443	Amphenol Connex	112538ℛ	24	50Ω jack, PCB mount, for all 50Ω coax cables	1.75	1.65	1.59
493917	AMP	227161-3	25	50Ω jack, right angle, PCB	2.49	2.25	1.95
421331	AMP	227726-3	26	50Ω jack, isolated, solder	2.49	2.25	1.95
111561	ValuePro	200-148	27	Jack, isolated, panel mount	2.29	1.95	1.79
160929	ValuePro	B211F-58ℛ	28	Jack, crimp type, for RG-58	1.49	1.25	1.15
161922	ValuePro	B211F-174ℛ	28	Jack, crimp type, for RG-174	1.95	1.65	1.45
2077618	Various	BNC-CR	29	Jack, chassis PCB receptacle	1.49	1.25	.95
146511	ValuePro	CH-7044Sℛ	30	Jack, right angle, plastic insulation, PC mount, w/ washer & nut	2.69	2.39	2.05
161656	ValuePro	CH-7087D	31	Jack, right angle, metal, PC mount	1.95	1.75	1.49
71590	ValuePro	G1B235ℛ	32	Jack, panel mount (UG-1094A)	1.95	1.79	1.65
1952821	Foxconn	KDA1001-H0	33	Jack, right angle, plastic insulation, PC mount	.95	.89	.75
174290	ValuePro	TBC-090ℛ	16	Jack, chassis mount	1.85	1.59	1.19
174297	ValuePro	TBC-101	34	Jack, twist on, bulkhead	2.25	1.95	1.65

* Use tool 667850, pg 83 † Use tool 667905, pg 83

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

50Ω/75Ω BNC Connectors and Adapters (Continued)

Adapters/Couplers

★Web Code: BCA

Part No.	Manufacturer	Product No.	Fig.	Description	1	10	50
311344	ValuePro	31-10-RFXℛ	1	50Ω jack, bulkhead	$2.45	$2.25	$1.95
188429	Amphenol RF	31-208-RFXℛ	2	Jack-plug-jack	4.95	4.45	3.95
355128	ValuePro	31-208-RFXℛ	3	50Ω T-adapter, jack-plug-jack	2.95	2.65	2.39
363961	ValuePro	31-218	4	50Ω straight adapter, plug-plug (UG-491A/U)	3.95	3.55	3.19
188411	Amphenol RF	31-219-RFXℛ	5	50Ω straight adapter, jack-jack	3.95	3.49	3.15
355152	ValuePro	31-219-RFXℛ	5	50Ω straight adapter, jack-jack (UG-914/U)	3.25	2.39	2.09
311351	ValuePro	31-220N-RFX	6	50Ω bulkhead adapter, jack-jack	2.95	2.69	2.39
72629	ValuePro	200-150	7	Female to female/female T-adapter	1.95	1.75	1.55
118594	ValuePro	200-155	8	Male to female/female T-adapter	1.95	1.75	1.55
71909	ValuePro	200-160	9	Female/female coupler (UG-914)	1.29	.95	.85
148224	ValuePro	200-165	10	Coupler, jack-jack, panel mount	1.95	1.89	1.69
100597	ValuePro	40958-Y	11	Male to female/female T-adapter (180°)	6.95	6.25	5.65
658451	Amphenol Connex	112437ℛ	12	50Ω jack-to-jack bulkhead adapter (all 50Ω coax cables)	2.95	2.85	2.75
658507	Amphenol Connex	112445ℛ	5	50Ω straight adapter, jack-jack	2.69	2.49	2.25
296083	Amphenol Connex	112446ℛ	5	75Ω straight adapter, jack-jack	2.25	1.89	1.69
658515	Amphenol Connex	112461ℛ	3	50Ω T-adapter, jack-plug-jack	2.39	2.19	1.95
117461	ValuePro	B-068	13	Male to female/female F-adapter (90°)	3.95	3.55	3.19
127343	ValuePro	B-311	4	Male/male coupler (UG-491B/U)	2.39	2.05	1.69
148232	ValuePro	B-332-IF	10	Coupler, jack-jack, isolated	2.49	1.95	1.49
127352	ValuePro	B-412ℛ	14	Male to female right angle (DG-306B/O)	3.79	2.85	2.15
207095	ValuePro	BJ-7079	15	Female to male/male T-adapter	3.95	3.49	2.95
207116	ValuePro	BJ-7082	16	Male to female/female/female T-adapter	3.95	3.49	2.95
207124	ValuePro	BJ-70823	17	Male/male to female/female to adapter	3.95	3.49	2.95

SMA/SMB Connectors

SMA Connectors (50Ω)

★Web Code: SET

Part No.	Manufacturer	Product No.	Fig.	Description	Plating	1	10	50
157972	ValuePro	19-03F-4TGG	18	Straight crimp type male plug (RG-58)	Gold	$3.95	$3.59	$3.29
145382	ValuePro	19-46Gℛ	19	Straight female PCB mount, 4 legs	Gold	3.95	3.59	3.29
145374	ValuePro	19-49Gℛ	20	90° female PCB mount, 4 legs	Gold	3.95	3.59	2.95
355283	ValuePro	901-143-6-RFXℛ	21	Jack, right angle, PC mount	Gold	4.95	4.45	3.95
188525	Amphenol RF	901-143-6-RFXℛ	21	Jack, right angle, PC mount	Gold	6.95	6.25	5.59
188509	Amphenol RF	901-144-8-RFXℛ	19	Jack, right angle, PC mount	Gold	3.49	3.15	2.85
355292	ValuePro	901-9876-RFXℛ	22	Straight plug, crimp (RG-58/U; RG-58C/U; 141)	Nickel	2.55	2.19	1.79
188488	Amphenol RF	901-9877-RFXℛ	23	Straight plug, crimp (RG-174/U; RG-188A/U; RG-316/U)	Gold	2.95	2.65	2.39
355304	ValuePro	901-9877-RFXℛ	23	Straight plug, crimp (RG-174/U; RG-188A/U; RG-316/U)	Gold	2.49	2.25	1.95
153366	ValuePro	4804ℛ	23	Straight crimp type male plug (RG-174)	Gold	2.95	2.65	2.39
296227	Amphenol Connex	132101ℛ†	24	Straight cable plug w/ contact (RG-405U)	Gold	2.79	2.49	2.25
296251	Amphenol Connex	132105ℛ	25	Bulkhead feed-through jack (RG-405U)	Gold	4.95	4.49	3.95
296315	Amphenol Connex	132113ℛ	24	Straight crimp plug (RG-58/58A/58C/141/303)	Gold	3.19	2.75	2.39
296323	Amphenol Connex	132114ℛ	24	Straight crimp plug (RG-174/188/316/B7805A)	Gold	3.49	3.15	2.79
658849	Amphenol Connex	132118ℛ	26	Bulkhead crimp jack (RG-58/58A/58C/141/303)	Gold	4.55	3.89	3.55
296331	Amphenol Connex	132119ℛ*	26	Bulkhead crimp jack (RG-174/188A/316/B7805A)	Gold	4.95	4.45	3.95
296366	Amphenol Connex	132123ℛ	27	Right angle crimp plug (RG-174/188A/316/B7815A)	Gold	5.85	5.59	5.29
296374	Amphenol Connex	132134ℛ	19	Straight jack, PCB	Gold	3.95	3.55	3.19
658996	Amphenol Connex	132136ℛ	20	Right angle jack, PCB	Gold	6.89	6.49	6.15
658961	Amphenol Connex	132198ℛ	28	Straight crimp jack (RG-316U double braided)	Gold	3.49	2.95	2.65
159531	ValuePro	CH-7814ℛ 1	29	Female panel mount, 4 mounting holes (G-58/174)	Gold	3.75	3.15	2.95
160022	ValuePro	CH-7815-Gℛ 1	30	Female panel mount, 2 mounting holes (RG-58/174)	Gold	4.79	3.75	3.55
160013	ValuePro	CH-7818-Nℛ	31	Panel mount feed thru, female-female	Nickel	4.95	4.25	3.75
153286	ValuePro	SMA-7813ℛ	32	Bulkhead solder female w/ washer, rear mount (RG-58/174)	Gold	2.95	2.65	2.39

* Use crimp tool 667905, pg 83 † Use crimp tool 667921, pg 83 1 Solder cup

SMB Connectors

★Web Code: SCS

Part No.	Manufacturer	Product No.	Fig.	Description	Plating	1	10	50
444824	Cinch	SMB50-1301	33	50Ω jack, straight, PCB mount	Gold	$3.59	$3.25	$2.95
659358	Amphenol Connex	142186ℛ	34	Straight crimp plug (RG-174/188A/316/B7805A)	Gold	5.49	4.95	4.49
167312	ValuePro	24-12-2TGG-Rℛ	35	Right angle jack, PCB mount	Gold	3.95	3.55	3.19
172364	ValuePro	24-07L-1-TGGℛ	36	50Ω bulkhead crimp jack	Gold	2.95	2.65	2.39
172372	ValuePro	24-05L-1-TGG-Rℛ	37	50Ω cable crimp plug	Gold	2.95	2.65	2.39

SMA/SMB Adapters, Couplers & Terminator on next page

SMA Adapters

SMA Adapters, Couplers & Terminator

Part No.	Manufacturer	Product No.	Fig.	Description	Plating	1	10	50
659032	Amphenol Connex	132168R	1	50Ω plug-to-plug adapter	Gold	$5.95	$5.35	$4.79
659041	Amphenol Connex	132169R	2	50Ω jack-to-jack adapter	Gold	5.49	4.95	4.45
659059	Amphenol Connex	132170R	3	50Ω jack-to-jack adapter, bulkhead feedthru	Gold	6.49	6.25	5.95
659067	Amphenol Connex	132171R	4	50Ω plug-to-jack adapter	Gold	5.49	4.95	4.45
659075	Amphenol Connex	132172R	5	50Ω right angle plug-to-jack adapter	Gold	7.95	7.25	6.95
659091	Amphenol Connex	132360R	6	Terminator plug	Gold	2.45	2.25	1.95
659083	Amphenol Connex	202112R	6	Plug cap	Nickel	1.49	1.35	1.25
161294	ValuePro	S-311-GR	7	Straight coupler male-male	Gold	2.95	2.65	2.39
161307	ValuePro	S-412-GR	8	Right angle coupler male-female	Gold	4.95	4.45	3.95
153294	ValuePro	SMA-7817R	9	Straight coupler female – jack-to-jack	Gold	3.49	3.15	2.79

JAMECO ValuePro SMA/SMB 50Ω Coax Cables

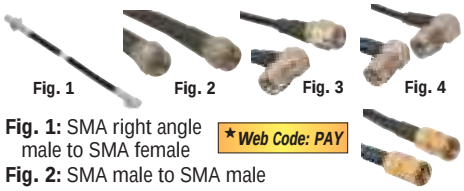


Fig. 1: SMA right angle male to SMA female

★Web Code: PAY

Fig. 2: SMA male to SMA male
Fig. 3: SMA male to SMA right angle male
Fig. 4: SMA right angle male to SMA right angle male
Fig. 5: SMB plug female to SMB plug female

Part No.	Cable	Fig.	Lgth (ft.)	1	10	50
2099391	RG-58R	1	0.5	$4.95	$4.49	$3.95
159371	RG-58R	2	2	4.95	4.49	3.95
159397	RG-58R	2	6	5.95	5.35	4.75
169801	RG-174R	2	0.5	4.75	4.25	3.75
163855	RG-174R	2	1	4.95	4.49	3.95
153382	RG-174R	2	2	4.95	4.49	3.95
153391	RG-174R	2	4	5.25	4.75	4.25
159451	RG-174R	2	6	7.95	6.95	6.25
175127	RG-174R	3	0.5	4.95	4.49	3.95
175135	RG-174R	3	1	4.95	4.49	3.95
175143	RG-174R	4	0.5	4.95	4.49	3.95
175152	RG-174R	4	1	5.95	5.35	4.75
175178	RG-174R	5	1	4.95	4.49	3.95

JAMECO ValuePro BNC Male Coax Cables

JAMECO EXCLUSIVE

★Web Code: BBD

RG6 75Ω Cables

Part No.	Description	1	10	50
176794	3' BNC to BNC	$4.95	$4.49	$3.95
176815	6' BNC to BNC	5.25	4.75	4.25

RG59/U 75 Ω CATV & Video Patch Cords

Part No.	Cross Ref. No.	Length (ft.)	1	10	50
86472	CRG59-1R	1.5	$2.95	$2.49	$2.25
85543	CRG59-6R	6	4.95	4.49	3.95
102373	CRG59-12	12	5.25	4.75	4.25
262730	EBC-525	25	6.95	6.25	5.49
262748	EBC-550	50	8.95	7.95	7.25
262764	EBC-510	100	19.95	17.95	15.95

RG174/U 50 Ω Network & Oscilloscope Cables

Part No.	Cross Ref. No.	Length (ft.)	1	10	50
111473	RG174U3R	3	$4.95	$4.49	$3.95
111482	RG174U6R	6	6.95	6.25	5.49

RG58/U 50Ω Network & Oscilloscope Cables

Part No.	Cross Ref. No.	Length (ft.)	1	10	50
181308	CRG58-1RRR	1	$3.95	$3.55	$3.19
102315	CRG58-1R	1.5	3.95	3.55	3.19
256743	CBB-224-24	2	4.95	4.49	3.95
11404	CRG58-3	3	4.95	4.49	3.95
102331	CRG58-6	6	3.95	3.55	3.19
180822	CRG58-10	10	4.95	4.49	3.95
102350	CRG58-12R	12	4.95	4.49	3.95
169818	CRG58-15	15	5.95	5.35	4.75
102357	CRG58-25	25	6.95	6.25	5.49
102365	CRG58-50	50	9.95	8.95	7.95
102381	CRG58-100	100	12.95	11.49	9.95

"F" Connector Patch Cables

RG-6 75Ω

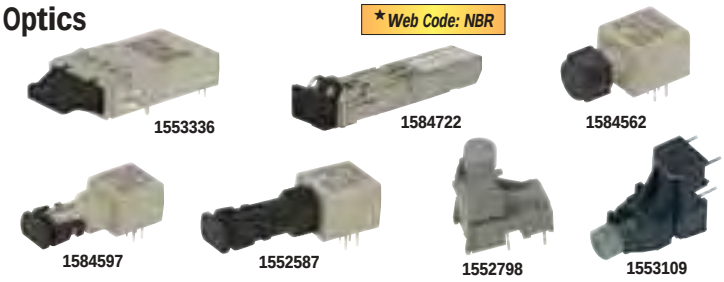
- For use with cable TV and video

Part No.	Cross Ref. No.	Length (ft.)	1	10
287101	205-415BK	6	$1.95	$1.75
297668	205-440BK-GW1B	75	4.95	4.49

Fiber Optics

AVAGO TECHNOLOGIES

★Web Code: NBR



Fiber Optic Transceivers

Part No.	Product No.	Description	1	5
1553336	HFBR-53A5VEM	850nm, SC duplex 3.3V, E shield	$94.95	$84.95
1553352	HFBR-5710LP	For gigabit ethernet	94.95	84.95
1584722	HFBR-5701LP	For gigabit ethernet & fiber channel	94.95	84.95

Miniature Link Package Transmitters

Part No.	Product No.	Description	1	5
1584562	HFBR-1404ZR	SMA, Tx high power	$14.95	$13.49
1552616	HFBR-1412	ST, Tx standard power	14.95	13.49
1552624	HFBR-1412T	ST, Tx std power, threaded port	14.95	13.49
1552632	HFBR-1412TM	ST, Tx std power, threaded/metal port	14.95	13.49
1584571	HFBR-1412TZR	ST, Tx std power, threaded port	14.95	13.49
1552641	HFBR-1414	ST, Tx high power	16.95	13.95
1584597	HFBR-1414TZR	ST, Tx high power, threaded port	14.95	13.49

Miniature Link Package Receivers

Part No.	Product No.	Description	1	5
1584642	HFBR-2402ZR	SMA, Rx, 5MBd, TTL output	$14.95	$12.95
1552894	HFBR-2412	ST, Rx, 5MBd, TTL output	14.95	13.49

Discrete Optical Components

Part No.	Product No.	Description	1	5
1552587	HFBR-1312T	32/160 MBd, 5000m, ST	$39.95	$37.95
1552595	HFBR-1312TZR	32/160 MBd, 5000m, ST	44.95	39.95
1552851	HFBR-2316T	32/160 MBd, 5000/2000m, ST	44.95	39.95
1552860	HFBR-2316TZR	32/160 MBd, 5000/2000m, ST	44.95	39.95

Versatile Link Package Transmitters

Part No.	Product No.	Description	1	5
1552712	HFBR-1521	5MBd, 20 POF, -40˚C to 85˚C	$9.95	$8.95
1552739	HFBR-1523	40kBd, 110 POF, -40˚C to 85˚C	9.95	8.95
1552763	HFBR-1527	32/125MBd, 40/30 POF, 1000/100 HCS, 0˚C to 70˚C	9.95	8.95
1552771	HFBR-1528	10MBd, 100 POF, 900 HCS, 40˚C to 85˚C	9.95	8.95
1552798	HFBR-1532	1MBd, 45 POF, 0˚C to 70˚C	9.95	8.95

Versatile Link Package Receiver

Part No.	Product No.	Description	1	5
1553109	HFBR-2532	1MBd, 45 POF, 0˚C to 70˚C	$9.95	$8.95

2 & 3 Channel Enclosed Encoders

Part No.	Product No.	Description	1	5
1584503	HEDS-5500$A11R	2-ch, 500CPR, 4mm shaft dia.	$44.95	$39.95
1552309	HEDS-5645-I13R	3-ch, 512CPR, 8mm shaft dia.	39.95	37.95
1584538	HEDS-9100$H00R	2-ch, incremental encoder, 400CPR	19.95	17.95

R RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

10' Fiber Optic Cable

INDUSTRIAL FIBER OPTICS

★Web Code: QAA

- 1000µm core jacketed plastic fiber optic cable (10')

Part No.	Mfr. Part No.	1	10
171272	IF-C-E1000	$5.95	$5.35

Fiber Optic Lab Kit

INDUSTRIAL FIBER OPTICS

Part No.	Mfr. Part No.	1	5
169914	IF-LMH	$59.95	$49.95

KULKA® Double Row Terminal Block

- Base: general purpose phenolic; 150˚C
- Screws: #6-32, binder head, phillips-slot
- Terminals: brass plated
- .437" (11 mm) centers
- 1100Vrms; 20A ratings; for 14-16 AWG wires
- Open block design • Size: 1.12"W x 0.5"H

Part No.	Product No.	Pos.	Length	1	10
188672	601GP8ℛ	8	4.25"	$3.95	$3.49

molex BEAU Terminal Blocks

- 0.375" double row
- Wire AWG range: 12–24AWG
- Terminal: brass, nickel plated
- Insulator: thermoplastic, UL94V-0
- Screws: #6-32 steel, zinc chromate plate

659438

Part No.	Product No.	Beau No.	Pos.	1	10	100
659391	38770-0102ℛ	77002	2	$1.29	$1.15	$.99
659411	38770-0104ℛ	77004	4	1.95	1.79	1.59
659438	38770-0106ℛ	77006	6	2.29	2.19	1.99
659454	38770-0108ℛ	77008	8	2.49	2.25	1.95
659489	38770-0112ℛ	77012	12	3.95	3.49	2.95

JAMECO ValuePro European Terminal Blocks

- Number of poles: 12
- Terminal insert: brass metal alloy, nickel plated
- Material: polyamide 66 (nylon 66), UL94V-2, natural
- Screws: zinc plated, yellow chromed

215011

★Web Code: CBJ

Part No.	Product No.	Amps	AWG	1	10	100
215011	PA8HDSℛ	20A	12-22	$1.59	$1.39	$1.19
215029	PA10HDSℛ	30A	10-22	1.95	1.79	1.59
215037	PA12HDSℛ	35A	10-22	2.95	2.59	2.25

OST DIN Rail-Mounted Terminal Block & DIN Rail

- Molded thermoplastic
- 14-22 AWG
- Spacing: 5.06mm (.199")
- UL rated voltage and current: 600V @ 20A

237083: 35mm W x 7.5mm D

237083

248736
Sold in 1 meter (39") length

Part No.	Product No.	Type	1	10	100
237083	41296.2	SR2.5	$.89	$.79	$.69
248736	2094.0ℛ	TS35 x 7.5	6.95	6.29	5.49

Need special orders or pricing?

Call us at 1-800-831-4242

DINKLE OST Terminal Blocks

★Web Code: XBD

- For detailed specifications, please see our website at **www.Jameco.com**

164814: Male header (.197") for use with 164794 and 164806

Fig. 1 (2094506)

Fig. 2 (2094522)

Fig. 3 (2094565)

Fig. 4 (2094602)

Fig. 5 (2094629)

Fig. 6 (2094645)

Fig. 7 (2094670)

Fig. 8 (2094485)

Fig. 9 (2094549)

Fig. 10 (160785)

Fig. 11 (164806)

Fig. 12 (99398)

Fig. 13 (189676)

Fig. 14 (161067)

Fig. 15

Fig. 16 (2094696)

Fig. 17 (2094709)

Fig. 18 (2094581)

Fig. 19 (152347)

Fig. 20 (249084)

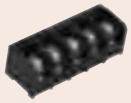


Fig. 21 (276672)

Fig. 22 (164814) use w/ Fig. 11

Part No.	Mfr.	Product No.	Fig.	Term.	Terminal Spacing	Description	1	10	100
2094506	OST	OSTTE020161ℛ	1	2	0.138"/3.5mm	Top screw	$.29	$.25	$.19
2094522	OST	OSTTF020161ℛ	2	2	0.138"/3.5mm	Side screw	.35	.29	.25
2094514	OST	OSTTE030161ℛ	1	3	0.138"/3.5mm	Top screw	.39	.35	.29
2094531	OST	OSTTF030161ℛ	2	3	0.138"/3.5mm	Side screw	.49	.45	.39
2094565	OST	OSTTJ0231530ℛ	3	2	0.150"/3.81mm	R/A screw	.65	.59	.55
2094602	OST	OSTTS02315Aℛ	4	2	0.150"/3.81mm	Top screw	.65	.59	.55
2094629	OST	OSTTS02315Bℛ	5	2	0.150"/3.81mm	Top screw	.65	.59	.55
2094645	OST	OSTTOQ023250ℛ	6	2	0.150"/3.81mm	Vertical header	.25	.19	.15
2094661	OST	OSTTOQ023251ℛ	7	2	0.150"/3.81mm	R/A header	.25	.19	.15
2094573	OST	OSTTJ0331530ℛ	3	3	0.150"/3.81mm	R/A screw	.95	.85	.75
2094611	OST	OSTTS03315Aℛ	4	3	0.150"/3.81mm	Top screw	.95	.85	.75
2094637	OST	OSTTS03315Bℛ	5	3	0.150"/3.81mm	Top screw	.95	.85	.75
2094653	OST	OSTTOQ033250ℛ	6	3	0.150"/3.81mm	Vertical header	.35	.29	.25
2094670	OST	OSTTOQ033251ℛ	7	3	0.150"/3.81mm	R/A header	.35	.29	.25
2094485	OST	OSTTA020161ℛ	8	2	0.197"/5mm	Top screw	.29	.25	.19
2094549	OST	OSTTG0201600ℛ	9	2	0.197"/5mm	45 angle screw	.39	.35	.29
160785	Dinkle	EK500V-02Pℛ	10	2	0.197"/5mm	Top screw	.59	.55	.45
164794	OST	EDC130/2DSℛ	11	2	0.197"/5mm	Top screw	.65	.59	.49
99427	Dinkle	DT128/2ℛ	12	2	0.197"/5mm	Top screw	.79	.59	.49
189676	OST	EDC500/2DSℛ	13	2	0.197"/5mm	Top screw	.79	.59	.49
161067	Dinkle	EK500A-02Pℛ	14	2	0.197"/5mm	45 angle screw	.85	.75	.55
2094493	OST	OSTTA030161ℛ	8	3	0.197"/5mm	Top screw	.39	.35	.29
2094557	OST	OSTTG0301600ℛ	9	3	0.197"/5mm	45 angle screw	.59	.55	.49
2081203	Dinkle	ED500V-3Pℛ	15	3	0.197"/5mm	Top screw	.69	.59	.45
189668	OST	EDC500/3DSℛ	13	3	0.197"/5mm	Top screw	.89	.79	.69
99398	Dinkle	DT128V3Pℛ	12	3	0.197"/5mm	Top screw	.95	.89	.79
160793	Dinkle	EK500V-03Pℛ	10	3	0.197"/5mm	Top screw	.95	.89	.79
164806	OST	EDC130/3DS	11	3	0.197"/5mm	Top screw	.95	.89	.79
161059	Dinkle	EK500A-03Pℛ	14	3	0.197"/5mm	45 angle screw	1.15	.95	.85
2094477	OST	OSTOP240200ℛ	22	24	0.197"/5mm	1.3 x 1.0mm	.95	.85	.75
164814	OST	EDSTL130/24	22	24	0.197"/5mm	1.3 x 1.3mm	1.59	1.39	1.19
164815	OST	OSTOP240000ℛ	22	24	0.197"/5mm	1.3 x 1.3mm	1.59	1.39	1.19
2094688	OST	OSTOQ025450ℛ	16	2	0.200"/5.08mm	Vertical header	.25	.19	.15
2094709	OST	OSTOQ025451ℛ	17	2	0.200"/5.08mm	Vertical header	.25	.19	.15
2094581	OST	OSTTJ025153ℛ	18	2	0.200"/5.08mm	Top screw	.65	.59	.55
152347	OST	EDC120/2DSℛ	19	2	0.200"/5.08mm	Top screw	.65	.55	.45
2094696	OST	OSTOQ035450ℛ	16	3	0.200"/5.08mm	Vertical header	.29	.25	.19
2094717	OST	OSTOQ035451ℛ	17	3	0.200"/5.08mm	Vertical header	.29	.25	.19
152355	OST	EDC120/3DSℛ	19	3	0.200"/5.08mm	Top screw	.49	.45	.39
2094590	OST	OSTTJ035153ℛ	18	3	0.200"/5.08mm	Top screw	.89	.79	.69
249084	OST	EDZ750/3	20	3	0.200"/5.08mm	Top screw	2.29	2.09	1.89
276672	Buchanan	6PCV-05-006	21	6	0.375"/9.53mm	Top screw	1.95	1.79	1.59

CINCH Double Row Barrier Blocks

★Web Code: YBM

- Insulation: molded mono block, general purpose phenolic, black, UL94V-1
- Screw material: steel with nickel over copper flash plating
- Solder terminal material: brass w/ electro-tin plating

140 Series 15A

- 3750-watts/terminal max.
- 16 AWG wire max.
- Size: 0.88"W x 0.41"H
- Screw: 5-40 x 3/16"
- Density: 0.375"

Part No.	Mfr. P/N	Pos.	Length	1	10	100
230973	2-140℞	2	1.41"	$1.09	$.85	$.75
230981	3-140℞	3	1.78"	1.49	1.35	1.19
230990	4-140℞	4	2.16"	1.79	1.49	1.29
231001	5-140℞	5	2.53"	1.89	1.59	1.39
231010	6-140℞	6	2.91"	2.19	1.69	1.49
231028	7-140℞	7	3.28"	2.29	1.79	1.59
231036	8-140℞	8	3.66"	2.89	2.49	2.09
231052	10-140℞	10	4.41"	3.59	2.89	2.39
231061	12-140℞	12	5.16"	3.95	3.29	2.95
1775983	14-140	14	5.91"	4.59	3.39	3.09

142 Series 30A

- 7500-watts/terminal max.
- 10 AWG wire max.
- Size: 1.312"W x 0.625"H
- Screw: 8-32 x 5/16"
- Density: 0.563"

Part No.	Mfr. P/N	Pos.	Length	1	10	100
440891	8-142	8	5.47"	$4.95	$4.49	$3.95

141 Series 20A

231378

- 5000-watts/terminal max.
- 14 AWG wire max.
- Size: 1.13"W x 0.5"H
- Screw: 6-32 x 1/4"
- Density: 0.438"

Part No.	Mfr. P/N	Pos.	Length	1	10	100
231378	4-141℞	4	2.50"	$1.69	$1.49	$1.35
231394	6-141℞	6	3.38"	2.35	1.89	1.59
231415	8-141℞	8	4.25"	2.95	2.59	2.29
231431	10-141℞	10	5.13"	3.39	2.89	2.39
231440	12-141℞	12	6.00"	3.59	3.29	2.95

Terminal Block Jumpers

For connecting between adjacent terminals or alternate terminals.

659382

- 2-position
- Brass w/ nickel plating

Part No.	Mfr. Part No.	1	10	100
659382	140J-1 (140 series)℞	$.25	$.19	$.15
448500	141J (141 series)	.35	.29	.25

JAMECO ValuePro Metric Double Row Terminal Blocks

★Web Code: SBG

- Body: black thermoplastic (UL94V-0)
- Screws: steel nickel plated
- Terminals: brass tin plated
- 12-18 AWG

207572

10A @ 600V

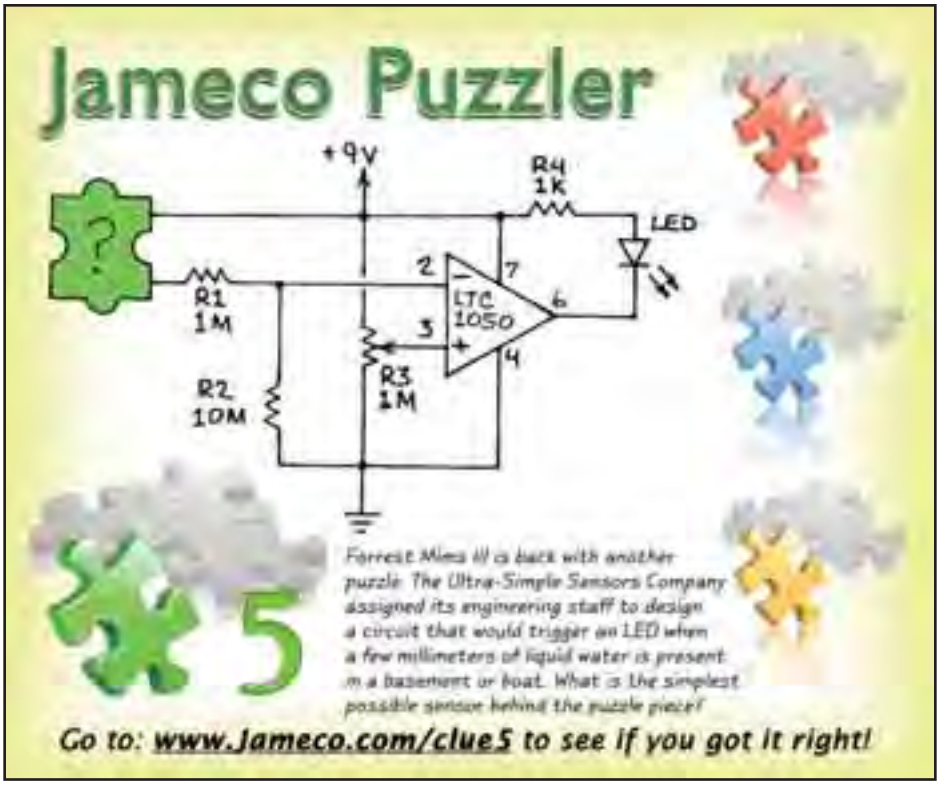
- Screw size: M3.0
- Size: 19.5mm W x 11.9mm H

Part No.	Product No.	Pos.	Lgth (mm)	1	10	100
208857	GGE-10-4P	4	55	$.95	$.85	$.75
208865	GGE-10-6P℞	6	74	1.49	1.35	1.19
208873	GGE-10-8P℞	8	102.5	1.75	1.55	1.39
208900	GGE-10-10P℞	10	112	2.49	2.25	1.95
208882	GGE-10-12P℞	12	131	2.75	2.49	2.19

20A @ 600V

- Screw size: M3.5
- Size: 22.0mm W x 13.2mm H

Part No.	Product No.	Pos.	Lgth (mm)	1	10	100
207538	GGE-20-4P	4	63.5	$1.19	$1.05	$.95
207547	GGE-20-6P℞	6	85.3	1.59	1.39	1.25
207554	GGE-20-8P	8	107.1	1.95	1.75	1.55
207563	GGE-20-10P℞	10	128.9	2.69	2.29	1.95
207572	GGE-20-12P℞	12	150.7	2.95	2.59	2.29



3M Spring Connectors

285683 285691 285704

285683: 2#22 to 2#12AWG, orange with blue skirt
285691: 2#18 to 2#8 to 5#12 AWG, red w/ yellow skirt
285704: 4#14 to 2#6 to 3#8 AWG, blue w/ gray skirt

Part No.	Product No.	1	10	100
285683	3M O/B+	$.25	$.19	$.15
285691	3M R/Y+	.25	.19	.15
285704	3M B/G+	.45	.39	.35

ACE Telecom Splice Connectors

Provides clean, solid and rapid connection of wires to keep lines free of noise

169755 169747

169755: Y-type

Part No.	Color	AWG	Conductors	1	10	100
169747	Yellow℞	22–26	2	$.25	$.19	$.15
169755	Red℞	19–26	3Y	.29	.25	.19

Wire Connectors

182450 182511 140717

- Material: UL approved nylon 66, 94V2
- Strip wire before application
- Twist on type

182450: Nylon 66, 94-2 UL/CSA approved
140717: PE - metal inside

Order in multiples of 10

Part No.	Description	10	100	1000
140717	Wire IDC 22-18 AWG℞	$.09	$.07	$.05
182511	Wire nut 16 AWG	.09	.07	.05
182450	Crimp 16-14 AWG℞*	.19	.15	.12

* Requires crimping tool (P/N 72996, pg 89)

★Wire Caps Available Online — Enter Web Code QBZ

3M Electrical Connector Kit

- 79 pieces

Part No.	1	10	25
651954℞	$14.95	$13.49	$11.95

171-Pc. Solderless Terminal Kit

170 Terminals and Connectors!

- Clear, hinged plastic box
- Use crimping tool P/N 72996, pg 89

Qty.	Description	Wire Gauge	Blade Size	Qty.	Description	Wire Gauge	Blade Size
10	Male spade	22-16	1/4"	10	Ring term.	16-14	#10
10	Male spade	16-14	1/4"	5	Ring term.	12-10	#10
10	Fem. spade	22-16	1/4"	5	Ring term.	12-10	#14
10	Fem. spade	16-14	1/4"	10	Spade term.	16-22	#6
10	Ring term.	22-16	#6	10	Spade term.	16-22	#8
10	Ring term.	22-16	#8	10	Spade term.	16-14	#10
10	Ring term.	16-14	#10	10	Butt conn.	16-22	—
15	Ring term.	16-14	#6	10	Butt conn.	16-14	—
10	Ring term.	16-14	#8	5	Butt conn.	12-10	—

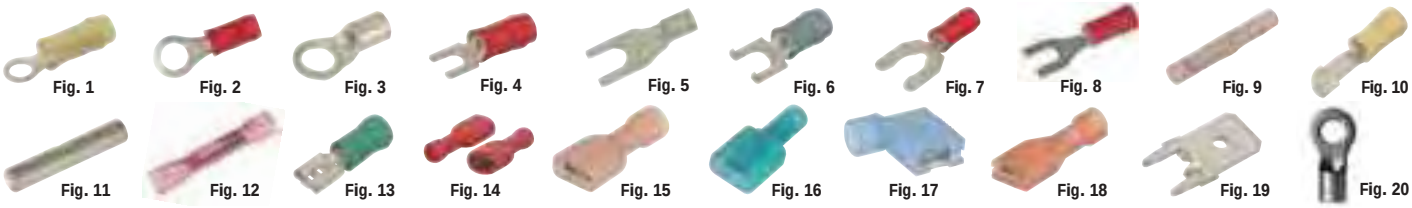
Part No.	Product No.	1	10	25
10990	G1C175-R ℞	$14.95	$13.49	$11.95

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

AMP molex

Terminals, Splices and Quick Connect/Disconnect

★ Web Code: TSQ



Ring Tongue Terminals

✳ Order in multiples of 10

Part No.	Mfr.	Product No.	Fig.	Insul.	Stud Size	AWG	Color	1	10	100
302594	AMP	323912ℛ	1	Nylon	#2	26-22	Yellow	$.25	$.19	$.15
302658	AMP	31880ℛ	1	Nylon	#4	22-16	Red	.25	.19	.15
302666	AMP	36152ℛ	2	Plastic	#6	22-16	Red	.25	.19	.15
103684	Various	2048ℛ	2	Plastic	#6	22-16	Red	✳	.12	.09
302674	AMP	31890ℛ	2	Plastic	#8	22-16	Red	.25	.19	.15
844220	AMP	34104ℛ	3	Uninsul.	#4	22-16	—	✳	.15	.12
844289	AMP	34107ℛ	3	Uninsul.	#6	22-16	—	✳	.15	.12
844318	AMP	34108ℛ	3	Uninsul.	#8	22-16	—	✳	.15	.12
844377	AMP	34111ℛ	3	Uninsul.	#8	22-16	—	✳	.15	.12
844406	AMP	34112ℛ	3	Uninsul.	#10	22-16	—	✳	.15	.12
302720	AMP	320619ℛ	1	Nylon	#6	16-14	Blue	✳	.15	.12
302746	AMP	36160ℛ	1	Nylon	#10	16-14	Blue	✳	.15	.12
302754	AMP	321045ℛ	1	Nylon	#1/4	16-14	Blue	.25	.19	.17
302797	AMP	35108ℛ	1	Nylon	#8	12-10	Yellow	.25	.19	.17
302800	AMP	35109ℛ	1	Nylon	#10	12-10	Yellow	.25	.19	.17
847560	AMP	36158ℛ	1	Nylon	#6	16-14	Blue	.25	.19	.17
302738	AMP	320565ℛ	2	Nylon	#8	16-14	Blue	.25	.19	.17

Flanged Spade Tongue Terminals

Part No.	Mfr.	Product No.	Fig.	Insul.	Stud Size	AWG	Color	1	10	100
302973	AMP	324608ℛ	6	PVC	#2	22-16	Red	$.35	$.29	$.25
303010	AMP	320862ℛ	6	Nylon	#8	16-14	Blue	.25	.19	.17

Short Spring Spade Tongue Terminals

Part No.	Mfr.	Product No.	Fig.	Insul.	Stud Size	AWG	Color	1	10	100
303087	AMP	52930ℛ	7	Nylon	#8	22-16	Red	$.25	$.19	$.17
303132	AMP	52941ℛ	7	Nylon	#6	12-10	Yellow	.25	.19	.17
303141	AMP	52942ℛ	7	Nylon	#8	12-10	Yellow	.35	.29	.25
303159	AMP	52943ℛ	7	Nylon	#10	12-10	Yellow	.35	.29	.25

Spade Tongue Terminals

✳ Order in multiples of 10

Part No.	Mfr.	Product No.	Fig.	Insul.	Stud Size	AWG	Color	1	10	100
302851	AMP	328394ℛ	4	Nylon	#2	22-16	Red	$.25	$.19	$.17
302869	AMP	327717ℛ	4	Nylon	#4	22-16	Red	.25	.19	.17
302877	AMP	34541ℛ	4	Nylon	#6	22-16	Red	.25	.19	.17
103588	Various	SVS1-3.7ℛ	4	Vinyl	#6	22-16	Red	✳	.12	.09
302885	AMP	32053ℛ	4	Nylon	#8	22-16	Red	.35	.29	.25
842929	AMP	323127ℛ	5	Uninsul.	#6	22-16	—	.25	.19	.17
502879	Molex	19144-0001	8	PVC	#5-6	18-22	Red	.25	.19	.17
302906	AMP	35559ℛ	4	Nylon	#6	16-14	Blue	.25	.19	.17
302914	AMP	32059ℛ	4	Nylon	#8	16-14	Blue	.25	.19	.17
103596	Various	SVM-2ℛ	4	Vinyl	#8	16-14	Blue	✳	.15	.12
302949	AMP	326859ℛ	4	Nylon	#6	12-10	Yellow	.45	.39	.35
302957	AMP	32588ℛ	4	Nylon	#8	12-10	Yellow	.29	.25	.19
511265	AMP	19144-0043	4	PVC	#10	12-10	Yellow	.25	.19	.17
502801	AMP	19141-0085	4	Uninsul.	#10	12-10	—	✳	.15	.12

Solderless Terminal Crimping Tool

- Crimps solderless terminals: 18-22 AWG red, 14-16 AWG blue and 10-12 AWG yellow

Part No.	Mfr. Part No.	Size	1	10	25
72996	HT303ℛ	9.0"L x 2.0"W	$22.49	$18.95	$14.49

Butt & Knife Disconnect Splices

✳ Order in multiples of 10

Part No.	Mfr.	Product No.	Fig.	Insul.	Type	AWG	Color	1	10	100
303167	AMP	323994ℛ	9	Nylon	Butt	24-20	Natural	$.49	$.45	$.39
303175	AMP	320559ℛ	9	Nylon	Butt	22-16	Red	.55	.49	.45
494469	Molex	19215-0009	11	Uninsul.	Butt	22-18	—	✳	.15	.12
491305	Molex	19164-0013	12	NiAC	Butt	22-18	Red	.45	.39	.35
503062	Molex	19154-0004	9	PVC	Butt	18-22	Red	✳	.15	.12
303183	AMP	320562ℛ	9	Nylon	Butt	16-14	Blue	.55	.49	.45
511530	Molex	19154-0030ℛ	9	PVC	Butt	12-10	Natural	.25	.19	.17
303221	AMP	35762ℛ	10	Nylon	Knife	12-10	Yellow	1.19	1.05	.95

Spade Solderless Terminal Noninsulated

Order in multiples of 10

Part No.	Mfr.	Product No.	Fig.	AWG	Material	Width (in.)	10	100	1000
502705	Molex	19141-0022	20	18-22	Copper	0.326	$.15	$.12	$.09

Quick Connect/Disconnect Female Terminals

✳ Order in multiples of 10

Part No.	Mfr.	Product No.	Fig.	Insul.	Size (ins.)	AWG	Color	1	10	100
303280	AMP	640903-1ℛ	13	Nylon	.250 x .032	22-18	Red	$.25	$.19	$.15
489627	Molex	19003-0001*	15	Nylon	.250 x .032	22-18	Red	✳	.15	.12
489475	Molex	19002-0001	16	Nylon	.250 x .032	22-18	Red	.35	.29	.25
489758	Molex	19005-0001	15	Nylon	.250 x .032	22-18	Red	.29	.19	.15
489774	Molex	19005-0010	15	Nylon	.250 x .032	10-12	Yellow	.35	.29	.25
303255	AMP	640917-1ℛ	13	Nylon	.187 x .020	22-18	Red	.25	.19	.15
489643	Molex	19003-0017*	15	Nylon	.187 x .032	22-18	Red	.25	.19	.15
461042	Molex	19019-0009ℛ	13	Nylon	.187 x .032	22-18	Red	.29	.25	.19
489635	Molex	19003-0011*	15	Nylon	.187 x .020	22-18	Red	.29	.19	.15
524197	AMP	2-520182-2ℛ	18	Nylon	.187 x .020	22-18	Red	.25	.19	.15
303247	AMP	640923-1ℛ	13	Nylon	.110 x .020	22-18	Red	.25	.19	.15
109112	Various	GFF1250ℛ	14	Vinyl	.250 x .032	22-16	Red	.25	.19	.15
103668	Various	FDV1-250ℛ	13	Vinyl	.250 x .032	22-16	Red	✳	.15	.12
106922	Various	FDV1-187ℛ	13	Vinyl	.187 x .032	22-16	Red	✳	.12	.09
303327	AMP	640905-1ℛ	13	Nylon	.250 x .032	16-14	Blue	.25	.19	.15
489766	Molex	19005-0005	15	Nylon	.250 x .032	16-14	Blue	.25	.19	.16
303319	AMP	640915-1ℛ	13	Nylon	.205 x .032	16-14	Blue	.25	.19	.15
489678	Molex	19003-0040*	15	Nylon	.250 x .032	16-14	Blue	✳	.15	.12
489871	Molex	19007-0021*	17	Nylon	.250 x .032	16-14	Blue	.35	.29	.25
303301	AMP	640919-1ℛ	13	Nylon	.187 x .020	16-14	Blue	.25	.19	.15
489694	Molex	19003-0050*	15	Nylon	.187 x .020	16-14	Blue	.29	.19	.15
1963811	Molex	19003-0055	14	Nylon	.187 x .020	16-14	Blue	.29	.19	.15
303298	AMP	640929-1ℛ	13	Nylon	.110 x .020	16-14	Blue	.29	.25	.19
303343	AMP	640907-1ℛ	13	Nylon	.250 x .032	12-10	Yellow	.35	.29	.25

* Translucent

Quick Connect/Disconnect Male Terminals

Part No.	Mfr.	Product No.	Fig.	Insul.	Size (ins.)	AWG	Color	1	10	100
489723	Molex	19004-0001	16	Nylon	.250 x .032	22-18	Red	$.35	$.25	$.19
489432	Molex	19001-0003	16	Nylon	.187 x .020	22-18	Red	.35	.29	.25
489731	Molex	19004-0005	16	Nylon	.250 x .032	16-14	Blue	.29	.25	.19

Male Quick Connect PCB

Order in multiples of 10

Part No.	Mfr.	Product No.	Fig.	Material	Size (ins.)	10	100	1000
853927	AMP	63824-1ℛ	19	Tin/Copper	.250 x .032	$.09	$.08	$.07

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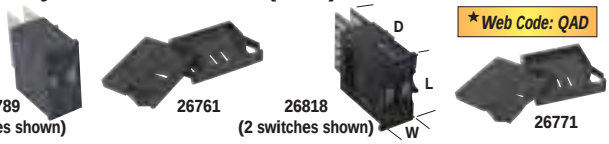
★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

JAMECO ValuePro

Binary Coded Decimal (BCD) Switches

★Web Code: QAD

- Contact resistance: 100mΩ max.
- Contacts: gold plated BE-CU alloy
- Continuous load: 1 amp max.
- Front snap-tab mounting with end plates
- 28VDC @ 0.15A



26789 (2 switches shown) 26761 26818 (2 switches shown) 26771

Part No.	Manufacturer	Product No.	Description	Dimensions (L" x W" x D")	Character Height	Pricing 1	10	100
26789	ValuePro	GPF311221	10-position pushbutton	1.2 x 0.3 x 1.7	0.19"	$4.49	$3.95	$3.59
26761	ValuePro	PF31E10	End plates for 26789 (2)	1.2 x 0.2 x 1.1	—	.95	.85	.75
26818	ValuePro	GTF311211	10-position thumbwheel	1.2 x 0.3 x 1.9	0.25"	4.49	3.95	3.59
26771	ValuePro	TF31E10	End plate for 26818 (2)	1.2 x 0.2 x 1.3	—	.95	.85	.75

JAMECO ValuePro

Mini Pushbutton BCD Switch

- Operating temperature: -10˚C to +65˚C
- 28VDC @ 10A
- Break before make
- Switches snap together
- Positive logic ("0" all open output)
- Size L = 0.59", W = 0.30", S = 1"
- Character height: 0.12"

Part No.	Cross Ref.	Description	1	10	100
136558	MX061	10-position ...	$2.95	$2.59	$2.29

HIGHLY OMRON Honeywell

Miniature Basic Switches

★Web Code: UEM

- 3 terminals: common; normally open; normally closed
- Size: 1.10"L x 0.40"W x 0.63"H

✪ Blue Part No. = Limited Quantity Available

Fig.1 Fig. 2 Fig. 3 Fig. 4 Fig. 5 Fig. 6 Fig. 7

Part No.	Manufacturer	Mfr. Part No.	Fig.	Actuator Type	Contact Form	Contact Rating	Service Life (Mech./Elec.)	Terminal Type	Pricing 1	10	100
1945268	Zippy	VM-5	1	Long lever (2.00"L)	SPST	5A @ 125/250VAC	10M/1M	0.187" quick connect	$1.19	$.95	$.75
187792	Omron	V-10G2-1C24K	2	Hinge lever (1.08"L)	SPDT-NC	0.1A @ 125VDC, 10A @ 250VAC	50M/300k	0.183" quick connect	2.49	2.19	1.95
159581	Highly Electric	VS10N021C2	2	Hinge lever (1.05"L)	SPDT-NC	10A @ 125VAC/250VAC	10M/100k	0.183" quick connect	2.49	2.19	1.95
187805	Omron	V-10G3-1C24K	3	Long hinge lever (2.01"L)	SPDT-NC	0.1A @ 125VDC, 10A @ 250VAC	50M/300k	0.183" quick connect	2.19	1.95	1.75
2076279	Honeywell	V3L-1465-D8	4	Lever actuator	SPDT	4A @ 125VAC	50M/300k	0.183" quick connect	1.59	1.35	1.15
2076244	Honeywell	V3-23-D8	5	Pin plunger	SPDT	5A @ 125VAC	50M/300k	0.183" quick connect	1.49	1.25	.95
617844	GC Electronics	35-880	5	Lever actuator	SPDT	10A @ 125VAC	10M/100k	0.187" quick connect	4.49	3.95	3.59
1917099	Honeywell	V7-1C17D8	5	Pin plunger	SPDT	15.1A @ 125/250/277VAC	50M/300k	0.183" quick connect	2.95	2.59	2.29
1917267	Honeywell ✪	V7-2B17D8-201	6	Roller lever	SPDT	11A @ 125/250/277VAC	50M/300k	0.187" quick connect	3.49	3.19	2.89
159572	Highly Electric	VS10N051C	6	Hinge roller (0.60"L)	SPDT-NC	10A @ 125VAC/250VAC	10M/100k	0.250" quick connect	2.95	2.59	2.29
483284	Cherry	D44CR1RD	7	Hinge lever (1.24"L)	SPDT	10A @ 125/250VAC	6k	0.187" quick connect	2.95	2.59	2.29

HIGHLY Mountain Switch OMRON

Subminiature Basic Switches

NEW MARKED IN PINK

★Web Code: MBE

- Economical, subminiature basic switch offers long service life
- Free from overtravel restrictions, permits easy setting
- Lead spacing: A = 0.35"; B= 0.29"
- Dimensions: 0.78"L x 0.25"W x 0.40"H

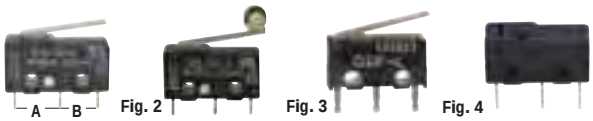


Fig. 1 Fig. 2 Fig. 3 Fig. 4

Part No.	Manufacturer	Product No.	Fig.	Actuator Type	Contact Form	Contact Rating	Service Life (Mech./Elec.)	Terminal Type	Pricing 1	10	100
187709	Omron	SS-5GL	1	Hinge lever (0.6"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	30M/200k	Solder	$1.59	$1.35	$1.15
2097715	Mountain Switch	61-10-055ST-EV	1	Straight lever (0.653"L)	SPDT-NC	10.1A @125VAC/250VAC	10M/100k	Solder	1.39	1.25	1.09
2097651	Mountain Switch	61-05-033ST-Q-EV	1	Straight lever (0.653"L)	SPDT-NC	5A @ 125VAC/250VAC	10M/100k	.110" quick connect	1.09	.95	.85
187733	Omron	SS-5GL2	2	Hinge roller (0.6"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	30M/200k	Solder	1.49	1.29	1.15
2097678	Mountain Switch	61-05-025RR-Q-EV	2	Roller lever (0.571"L)	SPDT-NC	5A @ 125VAC/250VAC	10M/100k	.110" quick connect	1.25	1.09	.99
2097731	Mountain Switch	61-10-060RR-Q-EV	2	Roller lever (0.571"L)	SPDT-NC	10.1A @ 125VAC/250VAC	10M/100k	.110" quick connect	1.49	1.35	1.19
159599	Highly Electric	SS0505A	2	Hinge roller (0.7"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	30M/200k	Solder	1.39	1.25	1.09
188867	Omron	D2F-L	3	Hinge lever (0.5"L)	SPDT-NC	3A @ 125VAC, 2A @ 30VDC	1M/30k	Solder	1.19	1.05	.95
2097627	Mountain Switch	61-05-104XX-Q-EV	4	Button (no lever)	SPDT-NC	5A @ 125VAC/250VAC	10M/100k	.110" quick connect	.99	.89	.79
2097694	Mountain Switch	61-10-249XX-Q-EV	4	Button (no lever)	SPDT-NC	10.1A @ 125VAC/250VAC	10M/100k	.110" quick connect	1.39	1.25	1.09

Mountain Switch

Super Subminiature Snap Switches

NEW MARKED IN PINK

Fig. 1 Fig. 2 Fig. 3

Part No.	Manufacturer	Product No.	Fig.	Actuator Type	Contact Form	Contact Rating	Service Life (Mech./Elec.)	Terminal Type	Pricing 1	10	100
2097598	Mountain Switch	13-03-070ST-EV	1	Straight lever (0.433"L)	SPDT-NC	3A @ 125VAC; 0.2A @ 60VDC	1M/15k	PCB	$.95	$.85	$.75
2097580	Mountain Switch	13-03-050ST-EV	2	Straight lever (0.551"L)	SPDT-NC	3A @ 125VAC; 0.2A @ 60VDC	1M/15k	PCB	.95	.85	.75
2097601	Mountain Switch	13-03-045SR-EV	3	Simulated roller (0.614"L)	SPDT-NC	3A @ 125VAC; 0.2A @ 60VDC	1M/15k	PCB	.95	.85	.75

Switch Grab Bags

- Assorted – toggle, pushbutton, rocker and slide switches

18235

Part No.	Product No.	No. of Pcs.	Wt. (lbs.)	1	10
18235	GB165	50	0.4	$8.95	$7.95
135378	GB165LB	150	1.0	19.95	17.95

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Magnetic Reed Switches

NEW MARKED IN PINK

★Web Code: UBB

- NO (normally open)
- Contact form: SPST

1951342

171872: 500mA @ 100VDC
2099340: 500mA @ 180VDC/130VAC
2099331: 500mA @ 200VDC **1951342**: 1A @ 220VDC

Part No.	Product No.	Size (L" x D")	1	10	100
171872	MKA14103	0.53 x 0.1	$.85	$.65	$.49
2099340	R1-27AAA	1.81 x 0.07	.99	.89	.79
2099331	CM15-2025	1.36 x 0.15	.99	.89	.79
1951342	MKC-27103	2.24 x 0.1	1.49	1.35	1.19

Temperature Switch

- SPST-NC (Normally-Closed)
- Operational life: 100,000 cycles
- Contact resis.: 50MΩ or less
- Temp: 75˚C (167˚F)
- Contact current: 5A
- Contact voltage: 120V
- 1.64"L leads
- PCB mount
- UL/CSA approved

Part No.	Product No.	1	10	100
159636	7AM-202	$.29	$.25	$.19

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Electromech

Mountain Switch | C&K | JAMECO ValuePro | Honeywell | Alcoswitch

Pushbutton Switches

★Web Code: UBU

Fig. 1

Fig. 2

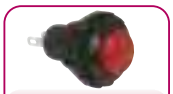


Fig. 3

Fig. 4

Fig. 5

Fig. 6

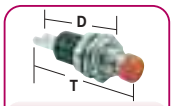


Fig. 7

Fig. 8

Fig. 9

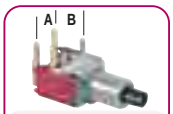


Fig. 10

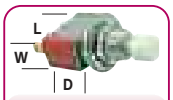


Fig. 11

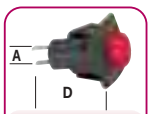


Fig. 12

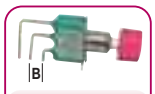


Fig. 13

Fig. 14

Fig. 15

Fig. 16

Fig. 17

Fig. 18

Fig. 19

Fig. 20

Fig. 21

Fig. 22

Fig. 23

Fig. 24

Fig. 25

Fig. 26

Part No.	Manufacturer	Product No.	Fig.	Pins	Mounting Hole Dia.	Contact Form ( ) Momentary	Contact Rating	Dimensions (L" x W" x D")	Lead Spacing A"	Lead Spacing B"	Terminal Type	Button Color	Pricing 1	Pricing 10	Pricing 100
315521	ValuePro	R13-23B-Y	1	1	.480"	SPST off-on	3A @ 125VAC	1.38 (D) x 1.53 (T)	.18	—	Solder	Yellow	$.95	$.85	$.69
315504	ValuePro	R13-23B-BL	1	1	.480"	SPST off-on	3A @ 125VAC	1.38 (D) x 1.53 (T)	.18	—	Solder	Blue	.95	.85	.69
164523	Mountain Switch	1DS466R	1	2	.406"	SPST off-(on)	3A @ 125VAC	.50 x .50 x .60	.16	—	Solder	Red	2.95	2.59	2.09
315484	ValuePro	R13-23B-Rℛ	1	2	.480"	SPST off-on	3A @ 125VAC	1.13 (D) x 1.53 (T)	.20	—	Solder	Red	.95	.85	.75
315492	ValuePro	R13-23B-Bℛ	1	2	.480"	SPST off-on	3A @ 125VAC	1.13 (D) x 1.53 (T)	.20	—	Solder	Black	.95	.85	.75
315432	ValuePro	R13-23A-Rℛ	1	2	.480"	SPST off-(on)	3A @ 125VAC	1.13 (D) x 1.53 (T)	.20	—	Solder	Red	.95	.85	.75
315651	ValuePro	R13-502A-05-BB	1	2	.500"	SPST off-(on)	3A @ 125VAC	.82 (D) x 1.02 (T)	.23	—	Solder	Black	1.75	1.49	1.25
315442	ValuePro	R13-23A-Bℛ	1	2*	.480"	SPST off-(on)	3A @ 125VAC	1.13 (D) x 1.53 (T)	.20	—	Solder	Black	.95	.85	.75
315678	ValuePro	R13-502A-05-BG	2	2	.500"	SPST off-(on)	3A @ 125VAC	.82 (D) x 1.02 (T)	.20	—	Solder	Green	1.75	1.49	1.25
315660	ValuePro	R13-502A-05-BR	3	2	.500"	SPST off-(on)	3A @ 125VAC	.82 (D) x 1.02 (T)	.22	—	3Solder	Red	1.75	1.49	1.25
315791	ValuePro	R13-508A-05-BB	4	2	.630"	SPST off-(on)	3A @ 125VAC	.94 (D) x 1.16 (T)	.24	—	Solder	Black	1.95	1.69	1.49
315820	ValuePro	R13-508AL-05-BRR	4	4	.630"	SPST off-(on)	3A @ 125VAC	.93 (D) x 1.14 (T)	.21	.25	Solder w/ LED	Red	1.95	1.69	1.49
315897	ValuePro	R13-511A-05-BB	5	2	.500"	SPST off-(on)	3A @ 125VAC	.93 (D) x 1.14 (T)	.23	—	Solder	Black	1.95	1.69	1.49
315900	ValuePro	R13-511A-05-BR	5	2	.500"	SPST off-(on)	3A @ 125VAC	.93 (D) x 1.14 (T)	.24	—	Solder	Red	1.95	1.69	1.49
315601	ValuePro	R13-40A-B	6	2	.484"	SPST off-on	3A @ 125VAC	.98 (D) x 1.56 (L)	.20	—	Solder	Black	.79	.69	.59
315599	ValuePro	R13-40A-Rℛ	6	2	.480"	SPST off-(on)	3A @ 125VAC	.98 (D) x 1.56 (T)	.20	—	Solder	Red	1.19	1.05	.95
315580	ValuePro	R13-40B-B	6	2	.480"	SPST off-(on)	3A @ 125VAC	.87 (D) x 1.4 (T)	.20	—	Solder	Black	1.39	1.25	1.15
26623	ValuePro	MS102ℛ	7	2	.250"	SPST off-(on)	3A @ 125VAC	.65 (D) x 1.10 (T)	—	.14	Solder lugs	Red	.59	.49	.45
164566	Mountain Switch	MS402R	8	2	.172"	SPST off-(on)	.5A @ 125VAC	.60 (D) x .80 (T)	.08	—	Solder	Red	1.95	1.69	1.49
315643	ValuePro	R13-81-R	8	2	.203"	SPST off-(on)	.5A @ 125VAC	.44 (D) x .78 (T)	.08	—	PC terminal	Red	.95	.85	.75
71643	ValuePro	SWB210ℛ	10	2	.219"	SPST off-(on)	1A @ 120VAC	.36 x .20 x .33	.20	.20	PC right angle	Black	1.95	1.69	1.49
174414	ValuePro	R13-510A	12	2	.500"	SPST off-(on)	3A @ 125VAC	.82 (D) x 1.0 (T)	—	.167	Solder lugs	Red	.95	.85	.75
22218	Judco	J1882	14	2*	.375"	SPST off-(on)	2A @ 14VDC	.65 x .52 x .40	.25	—	5" Pigtail	Red	1.09	.95	.85
171758	Apem	IPR3SAD2ℛ	15	2	.500"	SPST off-(on)	.2A @ 250VAC	.76 (D) x 1.0 (T)	.19	—	Solder	Black	14.95	13.49	11.95
171766	Apem	IPC3SAD6	16	2	.500"	SPST off-(on)	.2A @ 250VAC	.82 x .69 x .46	.19	—	Solder	Red	14.95	13.49	11.95
171774	Apem	AV191003C900	17	2	.750"	SPST off-(on)	.2A @ 48VDC	.87 (D) x 1.2 (T)	.37	—	Screw	Silver	13.95	12.95	11.49
164494	Mountain Switch	DS450R	18	2	.406"	SPST off-on	3A @ 125VAC	.59 (D) x 1.2 (T)	.175	—	Solder	Red	3.95	3.49	3.19
164486	Mountain Switch	DS463R	18	2	.406"	SPST off-(on)	3A @ 125VAC	.59 (D) x 1.2 (T)	.175	—	Solder	Red	2.95	2.59	2.09
164582	Mountain Switch	DS016B	19	2	.469"	SPST off-(on)	1A @ 125VAC	.46 (D) x .88 (T)	.22	—	Solder	Black	2.19	2.09	1.99
164639	Mountain Switch	MS3120Rℛ	20	2	.295"	SPST off-(on)	.5A @ 125VAC	.31 (D) x 1.1 (T)	.175	—	Solder	Red	1.75	1.49	1.25
106112	Mountain Switch	DS412R	21	2	.734"	SPST off-(on)	3A @ 110VAC	.66 (D) x .63 (T)	.275	—	Solder lugs	Red	1.75	1.49	1.25
164671	Mountain Switch	NS801M0	22	2	.492"	SPST off-(on)	1A @ 125VAC	1.0 (D) x 1.1 (T)	.213	—	Solder terminal	Black	3.95	3.49	3.19
26649	ValuePro	MS103	7	2	.250"	SPST on-(off)	3A @ 125VAC	.65 (D) x 1.10 (T)	—	.17	Solder lugs	Black	.59	.49	.45
22200	Judco	J1881ℛ	14	2*	.375"	SPST on-off, Alt[1]	2A @ 14VDC	.65 x .52 x .40	.25	—	5" Pigtail	White	1.29	1.15	1.05
172700	Arctic	MPS1SPSTBLWH	23	2	—	SPST (on/off)	.05A @ 24VDC	.38 x .20 x .10	.10	—	Solder terminal	White	.35	.29	.25
315388	ValuePro	PA101A1-R/BLℛ	24	2	.250"	SPST on-off	6A @ 125VAC	1.2 (D) x 1.7 (T)	.185	—	Solder	Red	1.95	1.69	1.49
355451	ValuePro	J1881	25	2*	.375"	SPST on-off, Alt[1]	2A @ 14VAC	.65 x .52 x .40	.25	—	5" Pigtail	White	.95	.85	.75
447072	Apem	TP32Y0030050§	24	3	.250"	SPST on-on	.4A @ 20VAC	0.7 (D) x 0.8 (T)	.11	—	Solder	Black	.59	.55	.49
200774	C&K Switch	TPI2SH8AQE	9	3	.219"	SPDT off-(on)	1A @ 120VAC	.32 x .20 x .33	.20	.10	PC right angle	Black	2.95	2.59	2.09
72645	AlcoSwitch	TPC11FGRA2	10	3	.203"	SPDT off-(on)	1A @ 125VAC	.32 x .26 x .37	.20	.20	PC right angle	Red	1.49	1.29	1.09
315380	ValuePro	PA102A1-Bℛ	24	2	.250"	SPDT on-(off)	6A @ 125VAC	1.2 (D) x 1.7 (T)	.185	—	Solder	Black	1.95	1.69	1.49
1839705	Honeywell†	AML22CBC2AAℛ	26	5	.750"	SPDT (on)-off	3A @ 125VAC	.80 x .80 x 1.8	.228	.177	Solder	††	24.95	21.95	19.95
202999	Various	BB16	9	3	.250"	SPDT on-on	.1A @ 28VAC	.39 x .35 x .35	.18	.10	Solder right angle	White	.95	.85	.75
596799	C&K Switch	U811SHZGE	11	3	.250"	SPDT on-(on)	1A @ 120VAC	.50 x .27 x .41	.185	—	Solder	††	1.95	1.69	1.49
121305	ValuePro	GPB006-WHℛ	11	3	.250"	SPDT on-(on)	1A @ 120VAC	.52 x .27 x .38	—	.185	Solder lugs	White	3.49	3.15	2.79
28063	ValuePro	PB126ℛ	11	3	.250"	SPDT on-(on)	5A @ 120VAC	.52 x .28 x .38	—	.185	Solder lugs	Red	3.49	3.15	2.79
154878	Eaton Corp.	PS11-123	13	3	.250"	SPDT on-(on)	5A @ 125VAC	.50 x .27 x .37	—	.14	Solder right angle	Red	1.49	1.29	1.09

*Lead wires [1] Alt = alternate action § Subminiature † With red neon lamp (5V) †† Cap is not included

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

3 LEVELS OF SAVINGS: NAME BRANDS | HOUSE BRANDS | FACTORY OVERRUN

Switchcraft® Cord-Switch®

★Web Code: CSH

- Maximum cable diameter: .375"
- Plastic insulation
- Copper alloy plated housing and switch bushing

Part No.	Mfr. Part No.	Contact Form () momentary	Button Color	1	10	50
297502	ED903℞	SPDT off-(on)	Red	$12.95	$11.49	$10.49

GC Inline Cord Switch

- Contact form: SPST on-off
- Terminal: solder
- Contact rating: 6A @ 20VDC
- Black plastic body

Part No.	Mfr. Part No.	1	10	100
621270	35-1851-BU	$3.95	$3.49	$2.95

Slide Switches

★Web Code: LAP

- Two mounting flanges
- Top actuation
- 6/6 nylon plastic housing
- Nylon actual
- Phenolic insulated

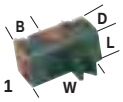


Fig. 1

Fig. 2

Fig. 3

Fig. 4

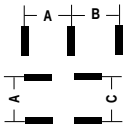
Fig. 5

Part No.	Manufacturer	Product No.	Fig.	Pins	Contact Form	Contact Rating	Dimensions (L" x W" x D")	Lead Spacing A"	Lead Spacing B"	Housing Material	Lead Length	Actuator Height	Pricing 1	Pricing 10	Pricing 100
549010	AlcoSwitch	1-1437575-4	1	3	SPDT on-on	0.1A @ 30VAC	.35"L x .13"W x .13"D	.10	.10	Plastic	.12"	.08"	$2.95	$2.59	$2.29
109171	ValuePro	G4050X-R℞	1	3	SPDT on-on	0.5A @ 50VDC	.22"L x .45"W x .23"D	—	.12	Plastic	.17"	.15"	.35	.29	.25
204142	C&K Switches	4102021MLOY	2	3	SPDT on-on	2.0A @ 28VDC	.77"L x .40"W x .37"D	—	.19	Plastic	.19"	.17"	.29	.25	.19
202770	Various	74650-009	3	6	SPDT on-on	0.1A @ 30VDC	.35"L x .70"W x .30"D	.17	.20	Plastic	.16"	.32"	.29	.25	.19
621325	GC Electronics	35-202-BU	4	3	SPDT on-on	0.3A @ 30VAC	.44"L x .22"W x .18"D	.14	—	Metal	.14"	.16"	1.79	1.59	1.39
588220	C&K Switches	OS102011MA1QN1	5	3	SPDT on-on	0.2A @ 30VDC	.34"L x .17"W x .15"D	—	.08	Metal	.11"	.16"	.39	.35	.29
161817	ValuePro	MS-306-R℞	4	6	DPDT on-on	0.3A @ 6VDC	.35"L x .14"W x .14"D	.10	.10	Plastic	.14"	.08"	.59	.49	.45
2076210	CWI	GF126-1093	4	6	DPDT on-on	0.5A @ 125VDC	1.0"L x .41"W x .30"D	.19	.29	Metal	.25"	.20"	.69	.59	.49

JAMECO ValuePro Standard Toggle Switches

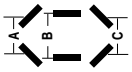
★Web Code: NAJ

- Medium duty
- Mounting hole dia.: 1/2"



3-pin

2-pin or 4-pin



6-pin

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7

Part No.	Manufacturer	Product No.	Fig.	Pins	Contact Form	Contact Rating (A @ VAC)	Dimensions (L" x W" x D")	Lead Spacing A"	Lead Spacing B"	Lead Spacing C"	Terminal Type	Lever Type	Pricing 1	Pricing 10	Pricing 100
76241	ValuePro	SWM128	1	2	SPST on-off	4 @ 125 & 2 @ 250	1.00 x .56 x .52	.23	—	—	Solder lugs	Round	$1.79	$1.59	$1.35
76232	ValuePro	SWM125	2	2	SPST on-off	6 @ 125 & 3 @ 250	1.00 x .53 x .51	.23	—	—	6" lead wire	Round	2.19	1.89	1.69
317825	ValuePro	R13-25A2-01	3	2	SPST on-off	10 @ 125 & 6 @ 250	1.14 x .59 x .62	.38	.38	—	.250" quick connect	Metal	2.49	2.19	1.89
318027	ValuePro	R13-28A-06	3	2	SPST on-off	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	M3 screw	Round	1.79	1.59	1.45
318002	ValuePro	R13-28A-01℞	3	2	SPST on-off	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	.250" quick connect	Round	2.49	2.19	1.89
621499	GC Electronics	35-3005	6	2	SPST on-off	20 @ 125	.92 x .64 x .40	—	.47	—	.250" quick connect	Bat brass	2.95	2.59	2.29
158060	ValuePro	JKN32	1	4	SPDT on-off	4 @ 125 & 2 @ 250	1.00 x .56 x .52	.23	—	.23	Solder lugs	Round	1.19	1.05	.89
318086	ValuePro	R13-28C-01	3	3	SPDT on-on	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	.250" quick connect	Round	1.89	1.69	1.49
318094	ValuePro	R13-28C-05	3	3	SPDT on-on	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	Solder	Round	1.89	1.69	1.49
318107	ValuePro	R13-28C-06	3	3	SPDT on-on	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	M3 screw	Round	1.89	1.69	1.49
317892	ValuePro	R13-25C1-05	7	3	SPDT on-on	10 @ 125 & 6 @ 250	1.14 x .59 x .62	.38	.38	—	Solder	Plastic	1.69	1.49	1.25
317913	ValuePro	R13-25C2-05	7	3	SPDT on-on	10 @ 125 & 6 @ 250	1.14 x .59 x .62	.38	.38	—	Solder	Metal	1.89	1.69	1.49
317884	ValuePro	R13-25C1-01	7	3	SPDT on-on	10 @ 125 & 6 @ 250	1.14 x .59 x .62	.38	.38	—	.250" quick connect	Plastic	1.89	1.69	1.49
317905	ValuePro	R13-25C2-01	7	3	SPDT on-on	10 @ 125 & 6 @ 250	1.14 x .59 x .62	.38	.38	—	.250" quick connect	Metal	1.89	1.69	1.49
317931	ValuePro	R13-25D1-05℞	2	3	SPDT on-off-on	10 @ 125 & 6 @ 250	1.14 x .60 x .62	.34	.34	—	Solder lugs	Paddle	1.89	1.69	1.49
318123	ValuePro	R13-28D-01	3	3	SPDT on-off-on	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	.250" quick connect	Round	2.19	1.89	1.69
318141	ValuePro	R13-28D-06℞	3	3	SPDT on-off-on	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	M3 screw	Round	3.79	3.19	2.95
317956	ValuePro	R13-25D2-05	7	3	SPDT on-off-on	10 @ 125 & 6 @ 250	1.14 x .59 x .62	.38	.38	—	Solder	Metal	1.89	1.69	1.49
158078	ValuePro	JKN3CC	1	6	DPDT on-on	10 @ 125 & 6 @ 250	1.19 x .76 x .73	.44	.59	.44	Screw lugs	Round	1.29	1.15	1.05
76260	ValuePro	SWM126	1	6	DPDT on-on	5 @ 125 & 3 @ 250	1.10 x .77 x .60	.30	.60	.30	Solder lugs	Round	1.75	1.59	1.45
318060	ValuePro	R13-28B-06	3	6	DPDT on-on	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	M3 screw	Round	1.95	1.75	1.59
318043	ValuePro	R13-28B-01	3	6	DPDT on-on	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	.250" quick connect	Round	3.95	3.39	2.49
318052	ValuePro	R13-28B-05℞	3	6	DPDT on-on	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	Solder	Round	3.95	3.39	2.49
621544	GC Electronics	35-3020	4	6	DPDT on-on	20 @ 125	1.32 x .75 x .82	.40	.60	.40	.250" quick connect	Bat brass	3.95	3.59	3.19
317850	ValuePro	R13-25B1-05	7	6	DPDT on-on	10 @ 125 & 6 @ 250	1.14 x .79 x .62	.40	.40	.40	Solder lugs	Paddle	1.95	1.75	1.59
567761	Various	SWM127	3	6	DPDT on-off-on	10 @ 125 & 5 @ 250	1.18 x .77 x .75	.40	.60	.40	M3 screw	Round	3.95	3.39	2.49
317972	ValuePro	R13-25E1-05	7	6	DPDT on-off-on	10 @ 125 & 6 @ 250	1.14 x .59 x .62	.38	.38	—	Solder	Plastic	1.95	1.75	1.59
620576	GC Electronics	35-009	5	6	DPDT on-on-on	5 @ 125	.50 x .45 x .40	.23	.15	—	Solder	Bat brass	3.95	3.59	3.19

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C&K | FUJITSU | Alcoswitch | JAMECO ValuePro

JAMECO ValuePro

Miniature Toggle Switches

★Web Code: PAJ

- Mounting hole diameter: 1/4"

Includes: Mounting hardware

Fig. 1

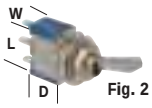

Fig. 2

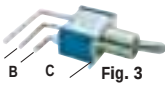

Fig. 3

Fig. 4

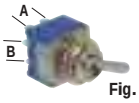

Fig. 5

Fig. 6

Part No.	*Mfr.	Product No.	Fig.	Pins	Contact Form ( ) Momentary	Contact Rating (A @ VAC)	Dimensions (L" x W" x D")	Lead Spacing A"	Lead Spacing B"	Lead Spacing C"	Terminal Type	Lever Type	Pricing 1	Pricing 10	Pricing 100
317228	JVP	1MS9T1B1M1QE	1	2	SPST on-off	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.190	—	Solder lugs	Round	$1.95	$1.75	$1.59
76523	JVP	JMT113	1	2	SPST on-off	6 @ 125 & 3 @ 250	.52 x .32 x .38	—	0.185	—	Solder lugs	Round	1.39	1.25	1.09
317287	JVP	1MS9T6B11M1QE	2	3	SPST on-off	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Flat	1.49	1.35	1.09
777768	C&K	T101MHZQE℞	1	3	SPDT on-on	3 @ 120	.32 x .20 x .34	—	0.100	—	Solder lugs	Round	6.49	5.85	5.25
26332	JVP	MPC123R℞	1	3	SPDT on-on	6 @ 125 & 3 @ 250	.52 x .32 x .37	—	0.185	—	PC straight	Round	1.89	1.75	1.49
21936	JVP	JMT123	1	3	SPDT on-on	6 @ 125 & 3 @ 250	.52 x .32 x .38	—	0.185	—	Solder lugs	Round	1.55	1.25	1.09
75854	JVP	SWM132	1	3	SPDT on-on	6 @ 125 & 3 @ 250	.52 x .32 x .38	—	0.185	—	Solder lugs	Round	1.55	1.25	1.09
317236	JVP	1MS1T1B1M1QE	2	3	SPDT on-on	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Round	1.39	1.25	1.09
317295	JVP	1MS1T6B11M1QE	2	3	SPDT on-on	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Flat	1.49	1.35	1.09
317279	JVP	1MS2T1B1M1QE	2	3	SPDT on-(on)	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Round	1.95	1.75	1.59
317332	JVP	1MS2T6B11M1QE	2	3	SPDT on-(on)	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Flat	1.95	1.75	1.59
22833	JVP	MS102F1-R℞	2	3	SPDT on-on	6 @ 125 & 3 @ 250	.52 x .28 x .36	—	0.185	—	Solder lugs	Flat	1.49	1.35	1.09
71597	JVP	SWM148	3	3	SPDT on-on	6 @ 125 & 3 @ 250	.52 x .32 x .38	—	0.185	0.20	PC right angle	Round	.99	.89	.79
75871	JVP	SWM145	4	3	SPDT on-on	6 @ 125 & 3 @ 250	.52 x .32 x .38	—	0.185	0.20	PC right angle	Round	1.49	1.35	1.09
567744	C&K	7105	2	3	SPDT (on)-off-(on)	5 @ 125	.50 x .27 x .35	—	0.185	—	PC straight	Round	1.25	1.09	.79
75889	JVP	SWM129	1	3	SPDT (on)-off-(on)	6 @ 125 & 3 @ 250	.52 x .32 x .38	—	0.185	—	Solder lugs	Round	1.49	1.25	1.09
21910	JVP	JMT121	1	3	SPDT on-off-on	6 @ 125 & 3 @ 250	.52 x .32 x .38	—	0.185	—	Solder lugs	Round	1.35	1.25	1.09
26315	JVP	MPC121	1	3	SPDT on-off-on	6 @ 125 & 3 @ 250	.52 x .32 x .37	—	0.185	—	PC straight	Round	1.29	1.15	1.05
317244	JVP	1MS3T1B1M1QE	2	3	SPDT on-off-on	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Round	1.95	1.75	1.59
317308	JVP	1MS3T6B11M1QE	2	3	SPDT on-off-on	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Flat	1.95	1.75	1.59
317252	JVP	1MS4T1B1M1QE	2	3	SPDT (on)-off-(on)	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Round	1.95	1.75	1.59
317316	JVP	1MS4T6B11M1QE	2	3	SPDT (on)-off-(on)	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Flat	1.49	1.25	1.09
317261	JVP	1MS5T1B1M1QE	2	3	SPDT on-off-(on)	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Round	1.95	1.75	1.59
317324	JVP	1MS5T6B11M1QE	2	3	SPDT on-off-(on)	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Flat	1.95	1.75	1.59
2077044	JVP	MTS-103AA	3	3	SPDT on-off-on	6 @ 125 & 3 @ 250	.52 x .32 x .39	—	0.149	0.51	PC right angle	Round	.99	.89	.79
317404	JVP	1MD9T1B1M1QE	6	6	DPST on-off	5 @ 120 & 2 @ 250	.50 x .45 x .35	0.19	0.185	—	Solder lugs	Round	2.29	1.95	1.75
317463	JVP	1MD9T6B11M1QE	6	6	DPST on-off	5 @ 120 & 2 @ 250	.50 x .45 x .50	0.19	0.185	—	Solder lugs	Flat	1.79	1.59	1.35
1585506	C&K	7201L1YZTME	5	6	DPDT on-on	5 @ 120 & 2 @ 250	.50 x .45 x .35	0.19	0.185	—	Solder lugs	Round	1.25	1.09	.79
75900	JVP	SWM133	5	6	DPDT on-on	6 @ 125 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Round	1.79	1.59	1.35
21979	JVP	JMT223	5	6	DPDT on-on	6 @ 125 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Round	1.49	1.25	1.09
26367	JVP	GTS112-P℞	5	6	DPDT on-on	6 @ 125 & 3 @ 250	.52 x .50 x .41	0.20	0.157	—	PCB	Round	1.49	1.25	1.09
317412	JVP	1MD1T1B1M1QE	6	6	DPDT on-on	5 @ 120 & 2 @ 250	.50 x .45 x .35	0.19	0.185	—	Solder lugs	Round	2.29	1.95	1.75
317472	JVP	1MD1T6B11M1QE	6	6	DPDT on-on	5 @ 120 & 2 @ 250	.50 x .45 x .35	0.19	0.185	—	Solder lugs	Flat	2.29	1.95	1.75
317455	JVP	1MD2T1B1M1QE	6	6	DPDT on-(on)	5 @ 120 & 2 @ 250	.50 x .45 x .35	0.19	0.185	—	Solder lugs	Round	1.69	1.49	1.29
317519	JVP	1MD2T6B11M1QE	6	6	DPDT on-(on)	5 @ 120 & 2 @ 250	.50 x .45 x .36	0.19	0.185	—	Solder lugs	Flat	2.29	1.95	1.75
22859	JVP	GTS172BLK	6	6	DPDT on-on	6 @ 125 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Flat	1.55	1.25	1.09
202964	✦	WI24	3	6	DPDT on-off-(on)	6 @ 125 & 3 @ 250	.50 x .50 x .46	0.15	0.150	0.20	PC right angle	Round	.99	.89	.79
75951	JVP	SWM130	5	6	DPDT (on)-off-(on)	6 @ 125 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Round	1.49	1.25	1.09
26358	JVP	MPC221	5	6	DPDT on-off-on	6 @ 125 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	PC straight	Round	1.49	1.25	1.09
21952	JVP	GTS114	5	6	DPDT on-off-on	6 @ 125 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Round	1.55	1.25	1.09
317439	JVP	1MD4T1B1M1QE	6	6	DPDT (on)-off-(on)	5 @ 120 & 2 @ 250	.50 x .45 x .35	0.19	0.185	—	Solder lugs	Round	2.29	1.95	1.75
317498	JVP	1MD4T6B11M1QE	6	6	DPDT (on)-off-(on)	5 @ 120 & 2 @ 250	.50 x .45 x .35	0.19	0.185	—	Solder lugs	Flat	2.29	1.95	1.75
317447	JVP	1MD5T1B1M1QE	6	6	DPDT on-off (on)	5 @ 120 & 2 @ 250	.50 x .45 x .35	0.19	0.185	—	Solder lugs	Round	2.29	1.95	1.75
317501	JVP	1MD5T6B11M1QE	6	6	DPDT on-off-(on)	5 @ 120 & 2 @ 250	.50 x .45 x .35	0.19	0.185	—	Solder lugs	Flat	2.29	1.95	1.75
317421	JVP	1MD3T1B1M1QE	6	6	DPDT on-off-on	5 @ 120 & 2 @ 250	.50 x .45 x .35	0.19	0.185	—	Solder lugs	Round	2.29	1.95	1.75
317490	JVP	1MD3T6B11M1QE	6	6	DPDT on-off-on	5 @ 120 & 2 @ 250	.50 x .45 x .35	0.19	0.185	—	Solder lugs	Flat	2.29	1.95	1.75
22841	JVP	GTS164BLK	6	6	DPDT on-off-on	6 @ 125 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Flat	1.49	1.25	1.09
547436	ALC	MTA306D	5	9	3PDT on-on	6 @ 125 & 3 @ 250	.70 x .51 x .45	0.19	0.190	—	Solder lugs	Round	10.95	9.95	8.95

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* ALC = AlcoSwitch | C&K = C&K Switches | JVP = Jameco ValuePro | ✦ Manufacturer Varies

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

JAMECO ValuePro

Subminiature Toggle Switches

★Web Code: NAN

- Mounting hole diameter: 7/32"
- Pre-tinned leads
- Metal construction

Includes: Mounting hardware

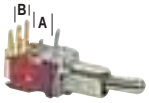


Fig. 1

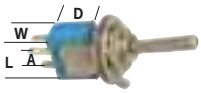


Fig. 2

Fig. 3

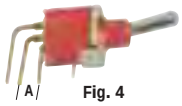


Fig. 4

Part No.	*Manufacturer	Product No.	Fig.	Pins	Contact Form () Momentary	Contact Rating	Dimensions (L" x W" x D")	Lead Spacing A"	Lead Spacing B"	Terminal Type	Type	Pricing 1	Pricing 10	Pricing 100
106067	JVP	SWP124	1	3	SPDT on-on	30mA @ 5VDC	.25 x .33 x .40	.20	.10	PC right angle	Round	$1.89	$1.75	$1.49
567752	FUJ	AT1D-6M3	1	3	SPDT on-on	50mA @ 48VDC/VAC	.37 x .22 x .33	.10	—	PC right angle	Round	1.25	1.09	.79
72161	JVP	SW1501ℛ	2	2	SPST on-off	1.5A @ 250VAC	.33 x .21 x .33	.10	—	Solder lugs	Round	1.29	1.15	1.05
75969	JVP	SWM136	2	3	SPDT on-on	3A @ 125VAC	.33 x .21 x .33	.10	—	Solder lugs	Round	1.69	1.49	1.29
1585493	C&K	ET012D1AVBE	4	3	SPDT on-on	20mA @ 20VDC/VAC	.32 x .20 x .18	.10	—	PC right angle	Round	.95	.89	.65
2076228	C&K (sealed)	ET05J6ABE	1	3	SPDT (on)-off-(on)	4A @ 20VDC/VAC	.32 x .32 x .20	.20	.08	PC right angle	Round	.95	.75	.59
72557	JVP	GTS304	2	3	SPDT (on)-off-(on)	1.5A @ 250VAC	.32 x .20 x .28	.10	—	Solder lugs	Round	1.35	1.25	1.09
75977	JVP	SWM137	3	6	DPDT on-on	1.5A @ 250VAC	.33 x .37 x .33	.17	.10	Solder lugs	Round	1.49	1.35	1.09
138907	JVP	SW1503	3	6	DPDT on-off-on	3A @ 120VAC	.36 x .37 x .33	.17	.10	Solder lugs	Round	1.55	1.25	1.09

JAMECO ValuePro

Rocker Switches

★Web Code: VBU

316451 577221 316136 316014 316022 196154 316048 316072 316111 316153 1945276 617473 1945241 617289 617369

Standard Appliance Rocker Switches

Part No.	*Mfr.	Product No.	Pins	Contact Form () Momentary	Contact Rating (A@VAC)	Dimensions (L" x W" x D")	Lead Space A"	Lead Space B"	Rocker Color	Terminal Type	Mounting Type	Pricing 1	Pricing 10	Pricing 100
316451	JVP	R13-243A-02	2	SPST on-off	8 @ 125	.83 x .37 x .85	0.35	—	Black	.187" quick connect	Panel mount	$.89	$.79	$.69
577221	CHY	RRA22H3BBBNN	2	SPST on-off	10 @ 125	.69 x .51 x .64	0.35	—	Black	.187" quick connect	Panel mount	.95	.85	.75
316128	JVP	R13-73B-R-02	3	SPST on-off	10 @ 125	.83 x .59 x .87	0.35	0.35	Red illum.	.187" quick connect	Panel mount	1.49	1.35	1.19
316136	JVP	R13-73B-Y-02	3	SPST on-off	10 @ 125	.83 x .59 x .87	0.35	0.35	Yellow illum.	.187" quick connect	Panel mount	1.19	.95	.79
316014	JVP	R13-66A-B-02ℛ	2	SPST on-off	16 @ 125	.83 x .59 x .63	0.31	—	Black	.187" quick connect	Panel mount	.95	.85	.75
316022	JVP	R13-66A-R-02ℛ	2	SPST on-off	16 @ 125	.83 x .59 x .63	0.31	—	Red	.187" quick connect	Panel mount	.95	.85	.65
196154	JVP	R30NSA-B/B	2	SPST on-off	15 @ 125	1.07 x .42 x .77	0.45	—	Black	.250" quick connect	Panel mount	.79	.69	.59
316048	JVP	R13-66B-G-02	3	SPST on-off	16 @ 125	.83 x .59 x .47	0.31	0.31	Green illum.	.187" quick connect	Panel mount	1.19	1.05	.89
316072	JVP	R13-66D-02	3	SPDT on-off-on	16 @ 125	.83 x .59 x .47	0.31	0.31	Black	.187" quick connect	Panel mount	.95	.85	.75
316111	JVP	R13-73A2-B-02ℛ	4	DPST on-off	10 @ 125	.83 x .59 x .68	0.20	0.34	Black	.187" quick connect	Panel mount	1.49	1.35	1.19
316153	JVP	R13-73C-R-02ℛ	4	DPST on-off	10 @ 125	.83 x .59 x .87	0.20	0.34	Black	.187" quick connect	Panel mount	1.29	1.15	.95
1945276	PRO	BR-12A-55S	2	SPST on-off	10 @ 125	.83 x .59 x .59	0.31	—	Lt. gray	5.5" wire leads	Panel mount	.49	.39	.29
1945284	PRO	R13-66	2	SPST on-off	10 @ 125	.83 x .59 x .55	0.31	—	Dk. gray	5.5" wire leads	Panel mount	.39	.29	.25
617473	GCE	35-695	3	SPDT (on)-off-(on)	16 @ 125	.93 x .43 x .62	0.34	0.56	Black	.250" quick connect	Panel mount	4.95	4.49	3.95
1945241	ITW	163-099-029	3	SPDT	12 @ 250	1.2 x .55 x .59	0.26	0.26	Black	.250" quick connect	Panel mount	.39	.29	.19

Lighted Mini Rocker Switch

617289	JVP	35-646	6	DPST on-off	10 @ 125	—	0.17	0.30	Lighted red	Solder eyelet	Panel mount	$6.95	$6.29	$5.75

Miniature Rocker Switch

617369	JVP	35-676	6	DPDT on-off-on	8 @ 125	—	0.18	0.22	Red	Solder lug	Panel mount	$4.95	$4.49	$3.95

Specialty Switches

617764 617529 617545 588182 588131 617490

Pull Chain Switch

• Current rating: 6A @ 20VAC/VDC; 3A @ 120VAC

Part No.	*Mfr.	Product No.	Contact Form	Actuator	Terminal Type	1	10	100
617764	GCE	35-864	SPST on-off	3 1/2" pull chain	6" wires	$2.95	$2.75	$2.49

Magnetic Proximity

• Current rating: 0.5A @ 20VAC/VDC; 0.08A @ 120VAC, P/N 588123/588182/588131: 30VAC @ .3A

617529	GCE	35-752	SPDT NO/NC	Use magnet	Leaded SD	$4.95	$4.49	$3.95
617545	GCE	35-756	SPDT NO/NC w/o magnet	Need magnet	Screw term., 1/4" gap, surface mount	6.95	6.29	5.69
588123	C&K	MPS20WGW	SPST NO	Use magnet	Screw terminal	12.95	11.49	10.35
588182	C&K	MPS9WGW	SPST NO	Use magnet	Wires	9.95	8.95	7.95
588131	C&K	MPS45WGW	SPST NO	Use magnet	Lead wires, 22AWG, 12"L	6.29	5.79	5.35

Knife Switch

• Current rating: 0.5A @ 6VDC • Mounting hole: 3.4mm

617490	GCE	35-730	DPDT on-off-on	Plastic handle	Screw terminal	$5.95	$5.35	$4.79

Switch Assortment Kit

SAVE $41

- 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 169 and 30 adhesive labels for drawers to identify parts in kit
- 10 ea. miniature toggle switches (76523, 21936, 21910, 26332, 26315, 21979, 21952, 26367, 26358), pg 93
- 10 ea. slide switches (109171), pg 92
- 10 ea. pushbutton switches (26623, 26649), pg 91
- 10 ea. DIP switches (38818, 38843), pg 95
- 10 ea. tactile switches (153252), pg 96

Part No.	Description	Wt. (lbs.)	1	5
85059	150 pcs. switch kit	5.0	$119.95	$109.95

Need special orders or pricing? Call us at 1-800-831-4242

* CHY = Cherry | C&K = C&K Switches | FUJ = Fujisoku | GCE = GC Electronics | JVP = Jameco ValuePro | ITW = Illinois Tool | PRO = Pronic Electronic | ✦ Manufacturer Varies

ℛ RoHS compliant product ✦ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

ECE Rotary DIP Switches

139636

- Gold plated contacts to ensure reliable, low resistance connection
- Fully sealed construction
- Terminals: PC pin leads
- Life: 10,000 cycles min.
- Op. force: 500g-cm max.
- Lead spacing: A = 0.1"; B = 0.3"
- Material: UL94V-0 grade
- Max. switching load rating: 25mA @ 24VDC
- Size: .39"W x .39"D x .20"H • Top adjustment

★ Web Code: UAX

Part No.	Mfr. Part No.	Type	Pos.	1	10
139636	ERD110RSZℛ	BCD	10	$2.89	$2.59
139652	ERD116RSZℛ	HEX	16	2.95	2.65

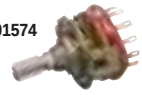
94H Series Rotary DIP Switches

697071 788555

- Make & break rating: 30mA @ 30VDC for 10,000 cycles
- Contact res.: 50mΩ max.
- Type: BCD 10-position
- Carrying current rating: 100mA @ 50VDC
- Insulation resistance: 5,000MΩ min.
- Contact material: 30µ" gold over 50µ" nickel

Part No.	Product No.	Actuator	1	10
697071	94HAB10RATℛ	Flush right angle	$2.19	$1.95
788555	94HBB10Tℛ	0.270", straight	2.49	2.25

JAMECO ValuePro Rotary Switches



101574

- Contact rating: 30VDC @ 0.3A; except P/N 2099631: 125VAC @ 0.3A
- Insulation resistance: 10MΩ min.
- Mounting hole diameter: 3/8"; except P/N 2099631: 0.348"
- Contact resistance: 30mΩ • Lug size: 0.07"
- Material: solid brass bushings, slotted aluminum shafts (except for P/N 2099631: D-type and P/N 622352); round, plated frame, plastic contact wafer (except for P/N 622352/2099631 – phenolis casing)
- Make before break; except P/N 2099631: break before make • Panel mount
- Solder eyelet lugs • Layers: 1
- Shaft size: 0.46"L x 0.25" Dia.; except P/N 622352: 1.5"L x 0.25" Dia. and P/N 2099631: 0.34"L x 0.25" Dia.

★ Web Code: DAM

Includes: Washer and nut

Part No.	Cross Ref.	Poles	Pos.	1	10	100
622352	35-376†	1	12	$2.95	$2.65	$2.39
101532	G3SR026ℛ	1	12	.95	.85	.75
2099631	SR2511-0205	2	5	.95	.85	.75
101574	G3SR022ℛ	2	6	.95	.85	.75
101566	G3SR023ℛ	3	4	.95	.85	.75
101558	G3SR024ℛ	4	3	.95	.85	.75

† Solder eyelet style

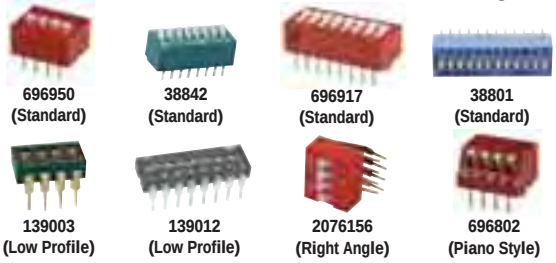
C&K A Series Rotary Switches

576501

- 1.5"H flatted actuator
- 3/8-32 threaded mounting style
- Solder lug terminals
- Dielectric strength: 1000Vrms
- 15,000 make & break cycles
- Contacts and terminals: brass, silver plated
- Contact resistance: 20mΩ typical @ 2-4VDC
- Contact rating: 2.5A @ 125VAC; 250mA @ 250VDC
- Housing/actuator: glass filled 6/6 nylon (UL94V-0)

Part No.	Product No.	Type	Pos.	1	10
576501	A11215RNZQℛ	SP, 300 index	12	$6.95	$6.25
576421	A20615RNZQ	DP, 300 index	6	6.95	6.25

Standard, Low Profile, Piano & Right Angle DIP Switches



696950 (Standard) 38842 (Standard) 696917 (Standard) 38801 (Standard)

139003 (Low Profile) 139012 (Low Profile) 2076156 (Right Angle) 696802 (Piano Style)

Compatible Socket Chart, see page 18 for Sockets

Switch	Socket	Switch	Socket
2-position	112193	7-position	112214
3-position	112193	8-position	112222
4-position	112206	9-position	112231
5-position	112214	10-position	38608
6-position	112214	12-position	112282

★ Web Code: UCY

- Switch contacts: SPST • Piano switches have raised lever • Low profile switches have either raised or slide levers

Part No.	Product No.	*Mfr.	*Type	Pos.	Pricing 1	10	100
109057	206-2	✦	1,5	2	$.69	$.59	$.49
1951385	206-2LP	✦	2,6	2	.69	.59	.45
2076156	SDAX-2RX-X	BNS	3,5	2	.59	.49	.39
109059	206-2-VP-Rℛ	JVP	3,5	2	.79	.69	.59
206359	206-3	✦	1,5	3	.65	.55	.45
202472	ADF03	ALC	2,5	3	.69	.59	.49
696802	76PSB04STℛ	GRY	1,4	4	1.19	1.09	.95
38818	206-4	✦	1,5	4	.59	.55	.49
38820	DT-04VPℛ	JVP	1,5	4	.75	.65	.59
696950	78B04STℛ	GRY	1,5	4	1.15	1.05	.85
2082231	3-4356405	AMP	1,7	4	.69	.59	.45
696888	76SB04STℛ	GRY	1,7	4	.95	.89	.79
206499	DPS804	FJT	2,4	4	.69	.59	.49
139003	206-4LPℛ	JVP	2,5	4	.75	.65	.55
778251	209-4LPSTℛ	CTS	2,6	4	.49	.45	.39
2076164	SDAX-4RX-X	BNS	3,5	4	.69	.59	.45
2076181	SDAX-4RX-T	BNS	3,5	4	.69	.59	.49
2082249	JS8805	✦	1,6	5	.59	.49	.39
2082505	206-517	JVP	1,7	5	.59	.49	.45
2082513	206-518	JVP	1,8	5	.59	.49	.45
2076674	DPL-06KT	JVP	1,4	6	.79	.69	.59
38826	206-6	JVP	1,5	6	.89	.79	.69
2076201	A6D-6100LP	OMN	2,6	6	.69	.59	.45
38834	206-7	✦	1,5	7	.95	.89	.79

Part No.	Product No.	*Mfr.	*Type	Pos.	Pricing 1	10	100
2082257	BD07	C&K	1,5	7	$.69	$.59	$.45
472569	78B07S	GRY	1,5	7	1.79	1.59	1.39
2082441	KS21193	✦	1,7	7	.75	.65	.49
2082450	76RS8075	GRY	1,8	7	.89	.75	.65
38842	206-8	✦	1,5	8	.79	.69	.59
38843	206-8Rℛ	JVP	1,5	8	.89	.79	.69
696968	78B08STℛ	GRY	1,5	8	1.15	1.05	.85
2082484	5-435810-4	AMP	1,7	8	.89	.79	.69
696917	76SB08STℛ	GRY	1,7	8	1.09	.95	.85
546581	435640-5	ALC	1,7	8	1.79	1.59	1.39
1939562	4-435626-2	AMP	1,8	8	.89	.79	.69
1951393	65S08NTS	ALC	2,6	8	.79	.69	.59
139012	DK-08Rℛ	JVP	2,6	8	.95	.89	.79
2082476	JS8722-9	✦	1,5	9	.89	.75	.65
101857	206-9ℛ	✦	1,5	9	1.09	.95	.85
2082273	1109-6952	✦	1,6	9	.69	.59	.45
38797	206-10	✦	1,5	10	.89	.79	.69
38799	206-10Rℛ	JVP	1,5	10	1.09	.95	.85
2082281	JS8800-10	✦	1,6	10	.75	.65	.49
2082468	206-1017	JVP	1,7	10	.99	.89	.79
2082492	206-1018	JVP	1,8	10	.99	.89	.79
206481	2-435802-2	AMP	1,4	12	1.09	.95	.85
38801	206-12ℛ	JVP	1,5	12	1.09	.95	.85
2082290	902018	✦	1,6	12	.79	.69	.55

*1. Standard; 2. Low Profile; 3. Right Angle; 4. Piano Style; 5. Slide Raised; 6. Slide Flush; 7. Rocker Raised; 8. Rocker Flush

JAMECO ValuePro Tri-State DIP Switch

- Pre-tinned leads • Two isolated buses • Labeled tri-state positions (+, 0, –)
- Switch contacts: bused, tri-state • Compatible socket, use P/N 37373, pg 18

Part No.	Product No.	Positions	Contact Ratting	1	10	100	500
138992	ETA108Eℛ	8	24VDC @ 25mA	$1.95	$1.75	$1.49	$1.25

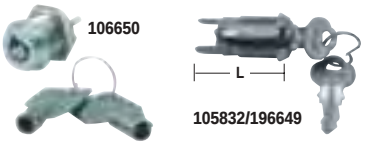
SMT Low Profile DIP Switches

★ Web Code: SDS

- Insulation resistance: 1000MΩ (min.) across open switch & between adjacent closed switch
- Contact resistance: 100mΩ initial • Bottom seal/top tape seal • Low-profile
- Dielectric strength: 300VAC for 1 min. • Non-switching rating: 100mA or 50VDC max.
- Gold plated beryllium copper contacts, gold flash coated terminals • Length: 0.246"

Part No.	Manufacturer	Product No.	Positions	Type	1	10	100
2076199	Grayhill	90HBI04SR	4	SPST	$.35	$.25	$.19
546759	Various	3-435668	5	SPST	.39	.29	.25
1945022	Various	SMT-6PDS	6	SPST	.49	.35	.29

JAMECO ValuePro SPST Round Keylock Switches



- Used in computer and other security systems
- Mounting hole = 0.75" (except P/N 106650 = 0.5")
- Key removable from 2 positions • Two keys
- **105832:** All keys are different; **196649:** All keys are alike **Includes:** Mounting nut

JAMECO EXCLUSIVE

★ Web Code: RAN

Part No.	Product No.	No. Flat, Dia.	Length	Terminal	Voltage/Current	1	10	50
106650	KS4Bℛ	2, 0.21"	0.55"	Barrel	125VAC/3A	$4.55	$4.09	$3.55
105832	KS3Bℛ	2, 0.66"	1.48"	0.25" quick connect	125VAC/6A	4.95	4.49	3.95
196649	3313E-Mℛ	2, 0.66"	1.48"	0.25" quick connect	125VAC/6A	4.95	4.49	3.95

* ALC = Alcoswitch | AMP = AMP/Tyco | BNS = Bourns | C&K = C&K Switches | CTS = CTS | FJT = Fujitsu | GRY = Grayhill | JVP = Jameco ValuePro | OMN = Omron | ✦ Mfr. Varies

★ *For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

12-Button Numeric Keypads

JAMECO ValuePro

- 8-pin & 10-pin .100" header
- 10 pin w/ multicolor wires
- Contact rating: 12VDC @ 20mA
- Contact resistance: 200Ω max.
- Life test: 1,000,000 cycles per key
- Size: 3.0"L x 2.2"W x 0.6"H (8-pin) white
- Size: 2.5"L x 2.1"W x 0.4"H (10-pin) black

2082206

Part No.	Description	1	10	100
190562	8-pin header keypad℞	$6.95	$6.25	$4.95
2081828	10-pin wire keypad	6.95	6.25	4.95
2082206	10-pin header keypad	6.95	6.25	4.95

16-Button Indoor/Outdoor Keypads

- 9-pin .100" headers
- Compatible with MOS, TTL and DTL (10Ω max.)
- Contact rating: 24VDC @ 10mA resistive
- Fully sealed snap-dome contact
- Life test: 3,000,000 cycles per key
- Size (housing): 4.7"W x 1.7"H x 0.4"T
- Recommended connector: P/N 103191 header & 100766 pin, pg 80

196171

152063

Part No.	Description	1	10	100
196171	2x8 matrix keypad	$14.95	$13.49	$12.49
152063	4x4 matrix keypad℞	14.95	13.49	12.49

16-Button Numeric Keypad

JAMECO ValuePro

- 8-pin solder pad
- Contact rating: 24VDC @ 20mA
- Contact resistance: 200Ω max.
- Life test: 1,000,000 life cycles per key
- 8-pin male header connector included
- Size: 3.0"L x 2.8"W x 0.6"H

Part No.	Description	1	10	100
169245	4x4 numeric keypad℞	$9.95	$8.95	$7.95

★ Keypads Online — Enter Web Code XBA

Tactile Switches

★ Web Code: QBF

- Bounce time: 10 msec.
- SPST momentary ON
- Lead type: PC
- Contact resistance: 100mΩ

Fig. 1 Fig. 2 Fig. 3 Fig. 4 Fig. 5 Fig. 6 Fig. 7 Fig. 8 Fig. 9

Part No.	*Mfr.	Product No.	Fig.	Pins	Dimensions (ins.) L	W	D	C	Lead Spacing A"	B"	Contact Rating (mA @ VDC)	Button Color	Pricing 1	10	100
1586074	PAN	EVQ-PAG04K	2	4	.24	.24	.14	.05	.17	.26	20 @ 12	Black	$.29	$.25	$.19
199726	PAN	EVQ11A04M	7	2	.24	.24	.14	.30	.20	.17	20 @ 15	White	.35	.29	.25
2095120	PAN	EVQ11L07K	7	2	.24	.24	.14	.28	.20	—	20 @ 15	Black	.35	.29	.25
119011	JVP	KTIIBICM℞	2	4	.24	.24	.15	.30	.17	.25	20 @ 15	Black	.29	.25	.19
149948	JVP	KT11P4CM	3	4	.24	.24	.15	.13	.17	.25	20 @ 15	Black	.29	.25	.19
122973	JVP	DTS1212℞	1	4	.47	.47	.18	—	.20	.50	20 @ 15	Black	.35	.29	.25
2076236	PAN	EVQPHP03T	9	4	.24	.24	.10	.02	.15	.26	20 @ 15	Brown	.35	.29	.25
155249	JVP	KRS-3550-BK℞	4	2	.24	.14	.15	—	—	.27	50 @ 12	Black	.35	.29	.25
155256	✦	KRS-3550-WH	4	2	.24	.14	.15	.03	—	.26	50 @ 12	White	.35	.29	.25
153252	JVP	SDT620K℞	2	4	.24	.24	.15	.06	.17	.25	50 @ 12	Black	.29	.25	.19
155380	JVP	KRS-1273B℞♦	5	4	.47	.47	.14	.14	.17	.53	50 @ 12	Brown	.39	.35	.29
153251	ESW	TL1105-A+	2	4	.24	.24	.15	.06	.17	.25	50 @ 12	Black	.25	.19	.15
202956	✦	KSM06330	8	2	.24	.24	.15	.38	.11	.18	50 @ 24	Red	.25	.19	.15
162886	OMN	B3F-1000℞	2	4	.24	.24	.13	.03	.17	.25	50 @ 24	White	.29	.25	.19
1953575	OMN	B3F-3122	6	4	.29	.29	.25	.06	.17	.28	50 @ 24	Gray	.29	.25	.19
2076261	OMN	B3E-1100-Red*	8	4	.24	.24	.19	.07	.17	.25	50 @ 24	Red	.49	.39	.29
2076287	OMN	B3E-1300-Green*	8	4	.24	.24	.19	.07	.17	.25	50 @ 24	Green	.49	.39	.29
2076252	ITT	KSC121JB	9	4	.24	.24	.10	—	.15	.26	50 @ 32	Gray	.25	.19	.15
2076148	✦	KFC-A12-A	2	4	.47	.47	.15	.08	.17	.50	100 @ 50	Black	.39	.35	.29

* Illuminated ♦ See switch cap below

Tactile Switch Caps♦

155389 155409

Order in multiples of 10

Part No.	*Mfr.	Product No.	Description	Dimensions	Material	For Use With	10	100	1000
155389	JVP	KRS-CAP-A	Square	.47"L x .47"W x .16"H	Plastic	P/N 155380	$.15	$.12	$.09
155409	JVP	KRS-CAP-B℞	Round	.50"Dia. x .25"H	Plastic	P/N 155380	.15	.12	.09

Relays

DIP Relays

Aromat ACE CLARE

★ Web Code: QAN

- Logic control levels
- Long life with reliable operation
- Excellent for PCB applications
- Compatible with IC sockets
- Compact design/construction
- Moisture resistant

106463

2081377

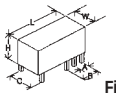


Fig. 1

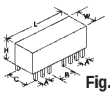


Fig. 2

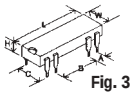
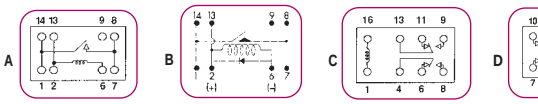


Fig. 3



Part No.	Manufacturer	Product No.	Fig.	Contact Form	Coil Voltage	Coil Ohms	Contact Voltage	Contact Current	Pins	Jameco Socket	Dimensions (L" x W" x H")	Leads (A" x B" x C")	Pricing 1	10	50
106463	Excel	201A05℞	3A	SPST-NO	5VDC	500	100VDC	0.5A	8	37162	.78 x .25 x .20	.10 x .40 x .30	$2.49	$2.19	$1.95
138431	Excel	2D1A05℞	3B	SPST-NO	5VDC	500	100VDC	0.5A	8	37162	.77 x .30 x .22	.10 x .40 x .30	2.49	2.19	1.95
1860088	Hamlin Breed	HE3621A0510℞	—	SPST-NO	5VDC	1000	200VDC	0.5A	4†	—	.75 x .20 x .30	.20 x .60	1.19	.95	.89
173914	Aromat	DS2YE-S-DC5V	1C	DPDT	5VDC	125	125VAC/100VDC	0.5A/1.25A	8	37401	.79 x .38 x .44	.18 x .28 x .29	2.19	1.95	1.75
139977	ValuePro	RSB5S	1C	DPDT	5VDC	125	120VAC/30VDC	1A/2A	8	37373	.79 x .39 x .37	.20 x .40 x .30	2.49	2.19	1.95
2081414	KEST	KS2E-M-DC5	1C	DPDT	5VDC	128	125VAC/28VDC	1A/2A	8	37373	.83 x .40 x .48	.20 x .30 x .30	2.49	2.19	1.95
2081377	KEST	KS2E-M-DC12	1C	DPDT	12VDC	708	125VAC/28VDC	1A/2A	8	37373	.83 x .40 x .48	.20 x .30 x .30	2.49	2.19	1.95
99311	Aromat (NAIS)	DS2Y-S-DC12V℞	1C	DPDT	12VDC	720	110VAC/30VDC	0.3A/1A	8	37373	.79 x .40 x .43	.20 x .40 x .30	2.49	2.19	1.95
2081406	KEST	KS2E-M-DC24	1C	DPDT	24VDC	1440	125VAC/28VDC	1A/2A	8	37373	.83 x .40 x .48	.20 x .30 x .30	2.49	2.19	1.95
136549	Aromat	DS4E-M-DC5V	2D	4PDT	5VDC	62.5	125VAC/30VDC	0.6A/2A	14	112301	1.40 x .40 x .36	.20 x .30 x .30	4.95	4.49	3.95
176313	Aromat	DS4E-M-DC12V℞	2D	4PDT	12VDC	360	125VAC/30VDC	0.6A/2A	14	112301	1.40 x .40 x .36	.20 x .30 x .30	5.95	5.49	4.95

† SIP

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* ESW = E-Switch Inc. | ITT = ITT Cannon | JVP = Jameco ValuePro | OMN = Omron | PAN = Panasonic | ✦ Manufacturer Varies

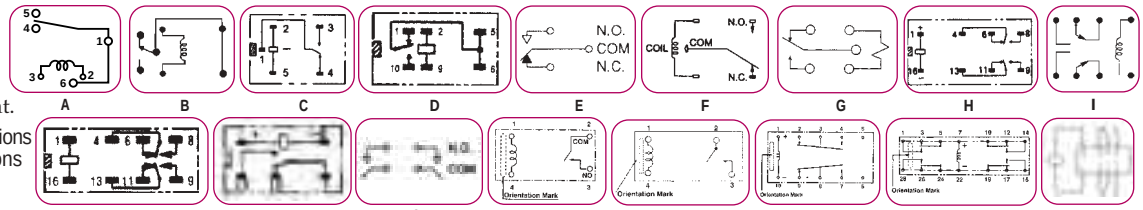
℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

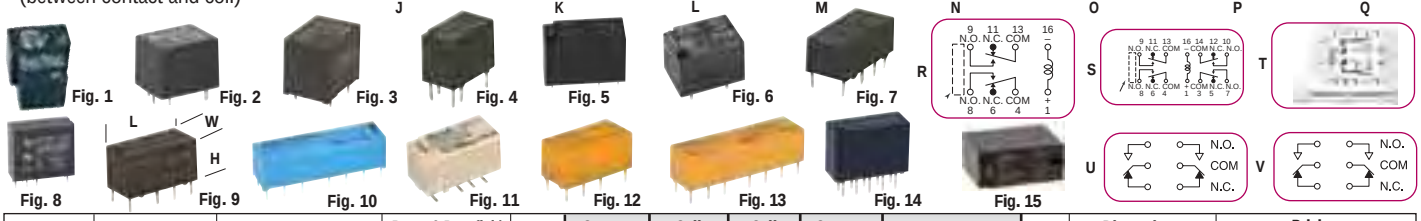
Small PC Mount Relays

★Web Code: SAV

Designed for the appliance and temperature control markets, these relays are also well suited for automotive load management.

- Mechanical life: 10 million operations
- Electrical life: 100,000 operations
- Dielectric strength: 1500V_{RMS} (between contact and coil)





Part No.	Manufacturer	Product No.	Potter & Brumfield Cross Reference	Fig.	Contact Form	Coil Voltage	Coil (Ohms)	Contact Current	Contact Voltage	Pins	Dimensions (L" x W" x H")	Pricing 1	10	50
2077394	Fujitsu	JV-3S-KT	—	8M	SPST-NO	3VDC	45	5A	250VAC/30VDC	4	.69 x .39 x .49	$2.29	$2.09	$1.89
2077271	Fujitsu	FTR-F2AL006T	—	8N	SPST-NO	6VDC	145	5A	250VAC/30VDC	4	.95 x .43 x .98	1.49	1.29	1.09
2077378	Fujitsu	FBR161NED006-WB	—	3F	SPST	6VDC	100	10A	120VAC/30VDC	5	.85 x .63 x .63	1.49	1.29	1.09
145753	Rayex*	L90A-12Wℛ	T90S1D12-12	1A	SPST	12VDC	155	30A/20A	240VAC/28VDC	5	1.2 x 1.0 x .77	2.95	2.75	2.49
553289	Potter & Brumfield	T90S1D12-18	—	1A	SPST	18VDC	380	30A/20A	240VAC/28VDC	6	1.27 x 1.08 x .81	1.95	1.69	1.49
134949	Rayex	L90-5W	T90S5D12-5	1A	SPDT	5VDC	27	20A	240VAC/28VDC	6	1.3 x 1.1 x .80	2.29	2.09	1.89
187151	Omron	G5LE-1DC5ℛ	—	3C	SPDT	5VDC	63	10A/8A	120VAC/30VDC	5	.90 x .65 x .75	1.49	1.29	1.09
843155	Panasonic	JS1-5V	T7C55D-05	6F	SPDT	5VDC	69.4	10A/5A	250VAC/100VDC	5	.87 x .63 x .63	1.19	1.09	.95
174450	Rayex	LU-5ℛ	T81H5D215	2B	SPDT	5VDC	125	1A/2A	120VAC/24VDC	6	.60 x .40 x .45	1.95	1.69	1.49
187418	Omron	G6E-134P-ST-US-DC5	—	4K	SPDT	5VDC	125	.4A/2A	125VAC/30VDC	5	.63 x .39 x .33	2.95	2.75	2.49
760616	Panasonic	DS1E-S-DC5Vℛ	—	12R	SPDT	5VDC	125	2.0A	125VAC/30VDC	5	.59 x .39 x .39	5.95	5.69	5.29
187240	Omron	G5V-1-DC5ℛ	T5C-105L3H	4D	SPDT	5VDC	166.7	.5A/1A	125VAC/24VDC	6	.50 x .30 x .40	2.29	2.09	1.89
454563	Hasco	KLTIC12DC9	—	2G	SPDT	9VDC	225	12A	120VAC/28VDC	5	.73 x .59 x .61	1.75	1.49	1.25
664309	Nais (Aromat)	JW1FSN-DC12V	RTB14012F	5E	SPDT	12VDC	270	10A	250VAC/30VDC	5	1.13 x .51 x .79	2.49	2.25	1.95
144186	Velleman	JZC-22F	VR15M121C	2G	SPDT	12VDC	337	15A	120VAC/28VDC	5	.80 x .64 x .80	2.95	2.75	2.49
842734	Panasonic	DS1E-M-DC12Vℛ ✪	—	12R	SPDT	12VDC	360	2A	125VAC/30VDC	5	.59 x .39 x .39	4.49	3.95	3.59
174432	Rayex	LEG-12Fℛ	T7CS5D12	2G	SPDT	12VDC	400	15A	120VAC/24VDC	5	.76 x .62 x .60	1.89	1.59	1.49
184461	Omron	G5V-1-DC12ℛ	—	4D	SPDT	12VDC	960	.5A/1A	125VAC/24VDC	6	.50 x .30 x .40	2.29	2.09	1.89
172937	Nais (Aromat)	JS1-12V	T72M5D121-12	6F	SPDT	12VDC	400	10A/5A	125VAC/24VDC	5	.85 x .62 x .63	1.19	1.09	.95
2078186	Fujitsu	FBR161NED012	T7CS5D-12	2F	SPDT	12VDC	400	10A	125VAC/30VAC	5	.80 x .60 x .60	1.95	1.69	1.49
760595	Panasonic	DS1E-S-DC12Vℛ	—	11R	SPDT	12VDC	720	2.0A	125VAC/30VDC	5	.59 x .39 x .39	6.49	5.95	5.35
843201	Nais (Aromat)	JW1FSN-DC24Vℛ	RTB14024F	5F	SPDT	24VDC	1100	10A/10A	250VAC/30VDC	5	1.11x .49 x .78	1.95	1.69	1.49
187400	Omron	G6E-134P-ST-US-DC48	—	4K	SPDT	48VDC	5760	.4A/2A	125VAC/30VDC	5	.63 x .39 x .33	3.95	3.59	3.29
998190	Panasonic	JW2ASN-DC5Vℛ	RTE44005F	5L	DPST	5VDC	47	5A/5A	250VAC/30VDC	6	1.13 x .50 x .79	1.49	1.29	1.09
215909	Potter & Brumfield	RKA-7DZ-12	—	4I	DPST-NO	12VDC	270	5A/5A	250VAC/24VDC	6	1.16 x .57 x 1.05	1.95	1.69	1.49
15051	Panasonic	AGQ200A4HZ	SMD-PKG	11I	DPDT	4.5VDC	145	.3A/1A	125VAC/30VDC	8	.417 x .283 x .213	2.19	1.89	1.49
2077255	NEC	EE2-4.5NUX-L†	SMD-PKG	11I	DPDT	4.5VDC	145	.5/2A	125VAC/30VDC	8	.59 x .30 x .35	1.49	1.29	1.09
2095390	Axiom	V23079A1011B301	—	9Q	DPDT	4.5VDC	145	2A	250VAC/220VDC	10	.57 x .28 x .39	1.95	1.75	1.49
2077415	Fujitsu	BA-5W-K	—	7I	DPDT	5VDC	100	.5A/1A	125VAC/30VDC	8	.59 x .29 x .38	2.19	1.89	1.49
761336	Panasonic	JW2SN-DC5Vℛ ✪	—	15U	DPDT	5VDC	47	5A	250VAC/30VDC	6	1.13 x .50 x .79	2.49	2.25	1.95
842849	Panasonic	DS2E-M-DC5Vℛ ✪	—	12R	DPDT	5VDC	62.5	2A	250VAC/220VDC	8	.79 x .39 x .37	2.95	2.75	2.49
187282	Omron	G6A-234PSTUSDC5ℛ	C93416	7H	DPDT	5VDC	125	.3A/1A	125VAC/30VDC	8	.80 x .33 x .40	3.95	3.59	3.29
842953	Panasonic	DS2E-S-DC5Vℛ	—	13S	DPDT	5VDC	125	2A	125VAC/30VDC	8	.79 x .39 x .39	3.95	3.59	3.29
843649	Panasonic	TXA2SA-5Vℛ	—	11I	DPDT	5VDC	178	2A	30VDC	8	.59 x .29 x .22	1.95	1.69	1.49
2081650	NEC	EC2-5NJ	—	9I	DPDT	5VDC	178	2A	220VAC/220VDC	8	.59 x .30 x .37	2.49	2.25	1.95
15034	Panasonic	TN2-5VDC	—	14T	DPDT	5VDC	178	.5A/1A	125VAC/30VDC	10	.55 x .22 x .39	2.49	2.25	1.95
2077263	Siemens	V23079-F1101-B301†	SMD-PKG	11I	DPDT	5VDC	357	5A	250VAC/220VDC	10	.57 x .28 x .41	1.95	1.69	1.49
2077386	Fujitsu	AL-D9W-K	—	7O	DPDT	9VDC	45	.5A/1A	125VAC/30VDC	10	.55 x .35 x .20	1.95	1.69	1.49
174378	Rayex	LM2-12Dℛ	RKA5DZ12	8I	DPDT	12VDC	270	5A	250VAC/30VDC	8	1.2 x .48 x 1.0	2.49	2.25	1.95
843235	Panasonic	JW2SN-DC12Vℛ	—	15U	DPDT	12VDC	270	5A	250VAC/30VDC	6	1.13 x .50 x .79	2.49	2.25	1.95
187258	Omron	G5V-2-DC12ℛ	—	9J	DPDT	12VDC	288	.5A/2A	125VAC/30VDC	8	.81 x .40 x .45	2.85	2.49	2.19
842793	Panasonic	DS2E-M-DC12Vℛ	—	13S	DPDT	12VDC	360	2A	125VAC/30VDC	8	.79 x .39 x .39	2.95	2.75	2.49
842873	Panasonic	DS2E-ML2-DC12Vℛ	—	12V	DPDT	12VDC	400	2A	250VAC/220VDC	10	.79 x .39 x .39	3.95	3.75	3.35
842902	Panasonic	DS2E-S-DC12Vℛ ✪	—	13S	DPDT	12VDC	720	2A	250VAC/220VDC	8	.79 x .39 x .39	3.95	3.59	3.29
843260	Panasonic	JW2SN-DC24Vℛ	—	15U	DPDT	24VDC	1100	5A	250VAC/300VDC	6	1.13 x .50 x .79	2.49	2.25	1.95
2078215	Omron	G2VN-234P-US	—	7H	DPDT	24VDC	1600	.5A/1.5A	120VAC/30VDC	8	.77 x .39 x .401	2.19	1.89	1.49
200740	Omron	G5V-2-HI	—	9J	DPDT	24VDC	2800	.5A/1A	125VAC/24VDC	8	.81 x .40 x .45	2.29	2.09	1.89
2078274	Fujitsu	FBR46D024	—	7H	DPDT	24VDC	2880	.5A/1A	120VAC/30VDC	8	.63 x .39 x .33	1.49	1.29	1.09
842937	Panasonic	DS2E-S-DC24Vℛ	—	12R	DPDT	24VDC	2880	2A	250VAC/220VDC	8	.79 x .39 x .37	3.95	3.59	3.29
2077360	Fujitsu	RA4-12W-K	—	10P	4PDT	12VDC	720	.5A/1A	120VAC/24VDC	14	1.39 x .39 x .39	3.95	3.49	2.95
843041	Panasonic	DS4E-S-DC12Vℛ	—	13S	4PDT	12VDC	720	2A	250VAC/220VDC	14	1.39 x .39 x .37	8.95	7.95	6.95

*Manufacturer may vary † SMD package ✪ Blue Part No. = Limited Quantity Available

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3 LEVELS OF SAVINGS: NAME BRANDS | HOUSE BRANDS | FACTORY OVERRUN

DC/AC and DC/DC Solid State Relays

★Web Code: DBA

164996 (Fig. 1)

153059 (Fig. 2)

162342 (Fig. 3)

192815 (Fig. 4)

176698 (Fig. 5)

127790 (Fig. 6)

176736 (Fig. 7)

187004 (Fig. 8)

1630987 (Fig. 9)

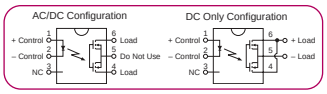
Part No.	Mfr.	Product No.	Control Voltage	Type	Contact Form	Contact Voltage	Contact Current	Pins	Fig.	Terminal Type	Agency Approval	Dimentions (L" x W" x H")	Pricing 1	10	50
Solid State Relays DC/AC Type															
164988	Sharp	S101S02	1.2VDC@20mA	DC/AC	SPST	125VAC	1.5A	4	1	Solder lead	UL/CSA	0.9 x .16 x .63	**$3.95**	**$3.39**	**$2.95**
164996	Sharp	S202TA1	1.2VDC@20mA	DC/AC	SPST	200VAC	2.0A	4	1	Solder lead	UL/CSA	0.9 x .16 x .63	**5.95**	**5.49**	**4.95**
153059	Rayex	RSR2ND-A24003ℛ	4-32VDC	DC/AC	SPST	240VAC	3A	4	2	Solder lead	UL	1.7 x 0.4 x 2.0	**8.95**	**7.95**	**7.49**
162342	Excel	ESR51024-010ℛ	3-32VDC	DC/AC	SPST	240VAC	10A	4	3	Screw terminal	UL	1.7 x 1.1 x 2.3	**18.95**	**16.95**	**15.49**
186992	Omron	G3NA-210B-DC5-24	5-24VDC	DC/AC	SPST	240VAC	10A	4	8	Screw terminal	UL/CSA	1.7 x 1.1 x 2.3	**15.95**	**14.49**	**12.95**
187004	Omron	G3NA-220B-DC5-24	5-24VDC	DC/AC	SPST	240VAC	20A	4	8	Screw terminal	UL/CSA	1.7 x 1.1 x 2.3	**19.95**	**17.95**	**15.95**
162369	Excel	ESR51024-025ℛ	3-32VDC	DC/AC	SPST	240VAC	25A	4	3	Screw terminal	UL	1.7 x 1.1 x 2.3	**27.95**	**24.95**	**21.95**
162406	Excel	ESR51024-040ℛ	3-32VDC	DC/AC	SPST	240VAC	40A	4	3	Screw terminal	UL	1.7 x 1.1 x 2.3	**24.95**	**22.49**	**19.95**
192815	COSMO	KSD240AC8	4-32VDC	DC/AC	SPST	250VAC	40A	4	4	Screw terminal	—	1.8 x 0.6 x 2.3	**19.95**	**17.95**	**15.95**
175214	Kyoto	KB20C02A	3-32VDC	DC/AC	SPST	280VAC	2A	4	5	Solder lead	CE	1.4 x 0.3 x 1.5	**6.95**	**5.95**	**5.49**
127790	Crydom	D2W202F	13-32VDC	DC/AC	SPST	280VAC	2A	4	6	Solder lead	UL/CSA	1.7 x 0.4 x 1.3	**9.95**	**8.95**	**7.95**
176698	Kyoto	KB20C06A	3-32VDC	DC/AC	SPST	280VAC	6A	4	5	Solder lead	CE	1.4 x 0.3 x 0.9	**10.89**	**9.79**	**8.69**
176719	Kyoto	KD20C40AX	3-32VDC	DC/AC	SPST	280VAC	40A	4	7	Screw terminal	UL/CE	1.7 x 0.9 x 2.3	**19.95**	**17.95**	**15.95**
176736	Kyoto	KD20C75AXℛ	3-32VDC	DC/AC	SPST	280VAC	75A	4	7	Screw terminal	UL/CE	1.7 x 0.9 x 2.3	**34.95**	**31.49**	**28.95**
Solid State Relays DC/DC Type															
172591	Kyoto	KF0602D	3-32VDC	DC/DC	SPST	60VDC	2A	4	5	Solder lead	CE	1.4 x 0.3 x 0.9	**$9.95**	**$8.95**	**$7.95**
175222	Kyoto	KF0604D	3-32VDC	DC/DC	SPST	60VDC	4A	4	5	Solder lead	CE	1.5 x 0.3 x 0.9	**9.95**	**8.95**	**7.95**
176648	Kyoto	KG1005Dℛ	3-32VDC	DC/DC	SPST	120VDC	5A	4	7	Screw terminal	CE	2.3 x 1.7 x 0.9	**24.95**	**22.49**	**19.95**
176655	Kyoto	KG1010D	3-32VDC	DC/DC	SPST	120VDC	10A	4	7	Screw terminal	CE	2.3 x 1.7 x 0.9	**24.95**	**22.49**	**19.95**
1630987	Infineon	LH1500AABℛ	—	DC/DC	SPST	350VDC	0.15A	6	9	SOIC-6	UL/CSA	.34 x .26 x .15	**2.49**	**2.19**	**1.95**

OptoMOS® Solid State Relays

★Web Code: WDX

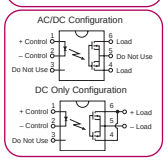
Fig. 1

Fig. 2

A


B

C

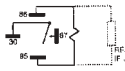
D


Part No.	Product No.	Package	Description	Fig.	Load Voltage (V)	Current Handling (mA)	On-Resistance (ohms)	Isolation Voltage (Vrms)	Input Control Current (mA)	Off-State Leakage (µA)	Switching Speed (on/off) (ms)	Pricing 1	10	50
1583041	LCA710ℛ	DIP-6	Single pole, 1-Form-A	1D	60	1000	0.5	3750	10	1	2.5/0.25	**$4.95**	**$4.49**	**$3.95**
1582954	LAA127ℛ	DIP-8	Dual pole, 2-Form-A	1C	250	200	10	3750	5	1	5/5	**5.95**	**4.95**	**4.49**
1582997	LCA110ℛ	DIP-6	Single pole, 1-Form-A	1A	350	120	35	3750	2	1	3/3	**1.85**	**1.65**	**1.49**
1582989	LBA110Sℛ	SOIC-8	Dual single pole, 1-Form-A	2B	350	120	35	3750	2	1	3/3	**3.95**	**3.59**	**3.39**
1582903	LAA110ℛ	DIP-8	Dual single pole, 1-Form-A	1C	350	120	35	3750	5	1	3/3	**3.95**	**3.59**	**3.39**
1582911	LAA110Pℛ	Flatpack-8	Dual single pole, 1-Form-A	2C	350	120	35	3750	5	1	3/3	**4.29**	**3.75**	**3.39**
1583148	PAA140Sℛ	SOIC-8	Dual single pole, 2-Form-A	2C	400	250	8	3750	5	1	3/1	**6.95**	**6.29**	**5.59**

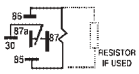
Potter & Brumfield Equivalent Plastic Enclosed Construction Relays

VF Series

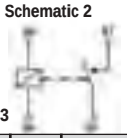
- Dielectric strength: 500VDC (between contact & coil)
- Operating temp.: -35°C to +85°C
- Contact current: 40A • Coil voltage: 12VDC
- Terminal type: quick connect
- Normally open (NO)
- Dimensions: 1.1"L x 1.1"W x 1.0"H



Schematic 1



Schematic 2


Schematic 3

★Web Code: PBB

171460 (Fig. 1)

171442 (Fig. 2)

171433 (Fig. 3)

Part No.	Mfr.	Product No.	P&B Cross Ref. No.	Fig.	Contact Form	Coil Ohms	Coil Voltage	Contact Schematic	Pins	Pricing 1	10	50
2094178	Sanyou	SARL-112DMFKℛ	VF7-41F11	3	SPST-NO	80	12VDC	1	4	**$5.95**	**$5.49**	**$4.95**
1810179	Rayex	LD1A-12BPℛ	—	3	SPST-NO	80	12VDC	3	5	**1.79**	**1.59**	**1.45**
171460	Rayex	LD1A-12Fℛ	VF4-81F11S01	1	SPST-NO	78	14VDC	1	4	**2.95**	**2.69**	**2.39**
171442	Rayex	961A-1A12Dℛ*	VF4-11F11	2	SPST-NO	90	14VDC	1	4	**2.49**	**2.19**	**1.89**
171522	Rayex	LD5Fℛ	VF4-45D11	1	SPDT	14	5VDC	2	5	**1.95**	**1.75**	**1.55**
148583	Rayex	LD12Fℛ	VF4-85F11	3	SPDT	78	12VDC	2	5	**2.95**	**2.59**	**2.29**
2094135	Sanyou	SARL-112Dℛ	VF4A-15F11	2	SPDT	80	12VDC	2	5	**3.49**	**3.19**	**2.79**
2094151	Sanyou	SARL-112DFℛ	VF45A-45F11	3	SPDT	80	12VDC	2	5	**3.49**	**3.19**	**2.79**
171433	Various	961A-1C-12DMℛ	VF4-81F11	3	SPDT	90	12VDC	2	5	**2.95**	**2.59**	**2.29**
2094186	Sanyou	SARL-125Dℛ	VF4A-15F11	2	SPDT	320	24VDC	2	5	**2.95**	**2.59**	**2.29**
2094194	Sanyou	SARL-124DFℛ	VF4A-45H11	3	SPDT	320	24VDC	2	5	**3.49**	**3.19**	**2.79**

*Comes with a removable clip

Reed Type Relay

NEW MARKED IN PINK

- Contact form: SPST-NO
- Terminal type: PCB Solder
- Contact voltage: **111448**: 120VAC/60VDC; **2099358**: 150VAC/VDC
- Coil voltage @ Contact Rating: **111448**: 5VDC @ 0.25A; **2099358**: 12VDC @ 0.1A
- Dimensions: **111448**: 1.0"L x 0.37"W x 0.38"H; **2099358**: 0.82"L x 0.25"W x 0.27"H

111448

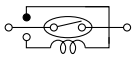
Part No.	Product. No.	Pins	1	10	50
111448	BR-1050	4	**$1.95**	**$1.75**	**$1.49**
2099358	2900-0043	5	**5.95**	**5.49**	**4.95**

Relay Socket with Coil Diode

VF Series

★Web Code: DBA

- 12 AWG: 2 black & 1 blue wire; 18 AWG: 1 black & 1 red wire (7.5" length)
- Contact voltage/current: 12V/20A
- Diode coil suppression
- Use with P/N 148583, left



Part No.	Product No.	1	10	50
170624	RSDO3	**$2.29**	**$2.09**	**$1.89**

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

For complete specifications visit www.Jameco.com

General Purpose Power Relays

Part No.	Mfr.	Product No.	Contact Form	Rating	Contact Rating	Coil Resis.	Contact Type	1	10	50
454571	Omron	G7L-1A-TUB-CB-DC24	SPST-NO	24VDC @ 79mA	25A, 220VAC	303Ω	.250" quick connect	$7.95	$6.95	$5.95
611928	P&B	T9AP1D52-48-03	SPST-NO	48VDC @ 21mA	30A, 240VAC	2304Ω	Quick connect: .187" for coil/.250" for contacts	3.95	3.69	3.39
137358	ValuePro	953-1C12DM-R	SPDT	12VDC @ 77mA	20A, 240VAC/28VDC	155Ω	Quick connect: .110" for coil/.250" for contacts	2.49	2.19	1.95
552462	P&B	PRD-7AG0-120	DPST-NO	120VAC @ 85mA	30A, 240VAC	290Ω	Screw: #8-32 for main; #6-32 for contacts	29.95	27.49	25.95
183791	Master	GH-2C-12D	DPDT	12VDC @ 170mA	30A, 240VAC	70Ω	Screw down terminals	12.95	11.49	10.95
553422	P&B	T92P11A22-120	DPDT	120VAC @ 33mA	30A, 120VAC	950Ω	.250" quick connect	15.95	14.49	12.95
551881	P&B	PRD-11AG0-120	DPDT	240VAC @ 43mA	30A, 240VAC	1200Ω	Screw: #8-32 for main; #6-32 for contacts	44.95	39.95	34.95

JAMECO ValuePro General Purpose Blade and Octal Relays

★Web Code: ACF

NEW MARKED IN PINK

- UL/CSA approved
- Industry standard termination for quick installation
- Wide range of coil voltages for industrial and commercial applications

Part No.	*Mfr.	Product No.	Fig.	Contact Form	Coil Voltage	Contact Rating	Coil Resis. (Ω)	Coil Current (mA)	Mating Socket* Standard	Mating Socket* DIN Rail	Pricing 1	Pricing 10	Pricing 50
2096122	Magnecraft	781XAXM4L-12D	3	SPDT[1]	12VDC	20A @ 1200VAC/28VDC	188	100	—	—	$5.95	$5.49	$4.95
282440	P&B	KRPA-5DG-24	5	SPDT	24VDC	10A @ 240VAC	472	51	282132	282159	21.95	19.95	17.95
2096131	Magnecraft	781XAXM4L-24A	3	SPDT[1]	24VAC	20A @ 120VAC/28VDC	180	100	—	—	5.95	5.49	4.95
498671	P&B	KUEP-11D15-12	2	DPDT	12VDC	3A @ 150VDC; 10A @ 240VAC	80	150	282124	282175	6.95	6.29	5.75
2093079	Omron	LY2F-DC12	3	DPDT	12VDC	10A @ 24VDC; 10A @ 110VAC	160	75	PT08	175531	5.95	5.39	4.79
139766	Beta	BTA6-2C-J-CW-12VDC	4	DPDT	12VDC	10A @ 28VDC; 10A @ 240VAC	120	10	141145	141145	6.95	6.29	5.75
282378	P&B	KRPA-11DG-12	5	DPDT[G]	12VDC	10A @ 240VAC	120	100	282132	282159	11.95	10.95	9.95
172719	ValuePro	LB2-1205-R	3	DPDT	12VDC	12A @ 30VDC; 12A @ 240VAC	160	75	175531	282191	5.95	5.49	4.95
2095875	Magnecraft	782XBXM4L-12D	8	DPDT[1]	12VDC	12A @ 28VDC; 15A @120VAC	160	100	—	—	7.95	7.25	6.49
282255	P&B	K10P-11D15-12	1	DPDT	12VDC	15A @ 30VDC; 15A @ 120VAC	160	75	282191	282191	7.95	7.29	6.49
282386	P&B	KRPA-11DG-24	5	DPDT[G]	24VDC	10A @ 240VAC	472	51	282132	282159	11.95	10.95	9.95
2095867	Magnecraft	782XBXM4L-24D	8	DPDT[1]	24VDC	12A @ 28VDC; 15A @120VAC	650	100	—	—	7.95	7.25	6.49
175565	ValuePro	LB2-24DS-R	3	DPDT	24VDC	12A @ 30VDC; 12A @ 240VAC	650	37	175531	282191	5.95	5.49	4.95
282263	P&B	K10P-11D15-24	1	DPDT	24VDC	15A @ 30VDC; 15A @ 120VAC	650	37	282191	282191	7.95	7.29	6.49
301073	P&B	KRPA-11DG-110	5	DPDT[G]	110VDC	10A @ 240VAC	10,000	11.5	282132	282159	11.95	10.95	9.95
175573	ValuePro	LB2-110AS	3	DPDT[G]	110VAC	12A @ 30VDC; 12A @ 240VAC	3,900	28	175531	282191	6.95	6.29	5.49
139740	Beta	BTA6-2C-J-CW-120AC	4	DPDT	120VAC	10A @ 28VDC; 10A @ 240VAC	1,700	122	141145	141145	6.95	6.29	5.49
282343	P&B	KRPA-11AG-120	5	DPDT[G]	120VAC	10A @ 240VAC	2,250	17.5	282132	282159	12.95	11.49	9.95
2095859	Magnecraft	782XBXM4L120A	8	DPDT[1]	120VAC	12A @ 28VDC; 15A @120VAC	4,430	100	—	—	6.75	5.95	5.25
282247	P&B	K10P-11A15-120	1	DPDT	120VAC	15A @ 30VDC; 15A @ 120VAC	3,900	11	282191	282191	7.95	7.29	6.49
282503	P&B	KUP-14D15-24	6	3PDT	24VDC	10A @ 28VDC or 240VAC	472	51	282124	282175	11.95	10.95	9.95
301217	P&B	KRPA-14DN-24	5	3PDT	24VDC	10A @ 28VDC; 6A @ 250VAC	472	51	282141	282167	14.95	13.95	12.95
301170	P&B	KRPA-14AY-120	5	3PDT[Y]	120VAC	5A @ 120VAC; 3A@240VAC	2,250	8.75	282141	282167	19.95	18.95	17.95
498072	P&B	KHAU-17D11-6	7	4PDT	6VDC	3A @ 28VDC; 3A @ 120VAC	40	150	496958	282183	6.49	5.95	5.49
282301	P&B	KHAU-17D11-12	7	4PDT	12VDC	3A @ 120VAC/28VDC (max)	160	100	496958	282183	6.95	6.29	5.75
291507	ValuePro	LB4H-120-R	3	4PDT	12VDC	5A @ 30VDC; 5A @ 240VAC	160	75	175557	175557	4.95	4.49	3.95
2095891	Magnecraft	7782XDX2M4L-12D	8	4PDT[1]	12VDC	8A @ 28VDC; 10A @ 120VAC	160	100	—	—	7.95	7.25	6.49
175602	ValuePro	LB4H-24DS-R	3	4PDT	24VDC	5A @ 30VDC; 5A @ 240VAC	650	37	175557	175557	4.95	4.49	3.95
282319	P&B	KHAU-17D12-24	7	4PDT	24VDC	5A @ 120VAC/28VDC (max)	650	52	496958	282183	6.95	6.29	5.75
2095939	Magnecraft	782XDX2M4L-24D	8	4PDT	24VDC	8A @ 28VDC; 10A @ 120VAC	650	100	—	—	7.95	7.25	6.49
282280	P&B	KHAU-17A11-24	7	4PDT	24VAC	3A @ 120VAC/28VDC (max)	160	52	496958	282183	6.95	6.29	5.49
2095921	Magnecraft	782XDX2M4L-24A	8	4PDT	24VAC	8A @ 28VDC; 10A @ 120VAC	180	100	—	—	7.95	7.25	6.49
175611	ValuePro	LB4H-110AS-R	3	4PDT[G]	110VAC	5A @ 30VDC; 5A @ 240VAC	3,900	28	175557	175557	4.95	4.49	3.95
2095912	Magnecraft	782XDX2M4L-120A	8	4PDT	120VAC	8A @ 28VDC; 10A @ 120VAC	4,430	100	—	—	7.49	6.75	5.95

* For sockets see below G = Silver-cadmium oxide, no lamp Y = Silver contacts, no indicator lamp 1 = Push to test button, bi-polar LED status lamp, ID write-on lablel, flag indicator

Blade and Octal Relay Sockets

★Web Code: TEM

Part No.	Manufacturer	Product No.	Relay Series	Pins	Contact Form	Type	1	10	50
175531	ValuePro	27E895	K10	8	DPDT	Combo†	$3.95	$3.69	$3.39
282191	P&B	27E895	K10	8	DPDT	DIN Rail	4.95	4.79	4.59
496958	P&B	27E166	KHA/KHUA	14	4PDT	Standard	11.95	10.95	9.95
175557	ValuePro	27E894	KHUA	14	4PDT	DIN Rail	3.49	3.19	2.79
282183	P&B	27E894	KHA/KHS/PT	14	4PDT	DIN Rail	8.95	7.95	7.29
282132	P&B	27E122	KRP/KRPA	8	DPDT	Standard	4.95	4.69	4.39
282141	P&B	27E123	KRP/KRPA	11	3PDT	Standard	6.95	6.29	5.59
282167	P&B	27E892	KRP/KRPA	11	3PDT	DIN Rail	9.95	8.95	7.95
282124	P&B	27E121	KUP/KUEP/KUMP	11	3PDT	Standard	6.95	6.29	5.59
282175	P&B	27E121	KUP/KUEP/KUMP	11	3PDT	Din Rail	10.95	9.95	8.95
141145	Beta	PF-083A	BTA1	8	DPDT	Combo†	3.95	3.69	3.39

† Combo: DIN Rail or Screw Terminal

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

CNT Series Multifunction, Digital Time Delay Relay/Counter

- Maximum count: 1 to 999; 10 to 9,990; 100 to 99,900
- Maximum count rate: 100 counts per second • DPDT
- Rating: 10A @ 30VDC or 277VAC resistive
- 11-pin octal style plug

Power Requirement: 10W @ 240VAC/VDC; 5W @ 120VAC/VDC; 1W @ 24VAC/VDC

Part No.	Product No.	Voltage	1	5
282239	CNT-35-96	24-240VAC/VDC	$119.95	$109.95

S89R Series Bistable, Impulse Relay

- Contact rating: 15A • Nominal power: 9W @ 25°C
- Contact life: 10 million operations; 50,000 mechanical operations
- Initial breakdown voltage: 1,500Vrms, 60Hz
- Dust cover with octal plug-in base • Current: 75mA

✪ Blue Part No. = Limited Quantity Available

Part No.	Product No.	Voltage	Resistance	1	5
282546	S89R11APP1-120✪	120VAC	260Ω	$39.95	$35.95

★ *Bistable, Impulse Relays Online — Enter Web Code QDR*

Beta Electric General Purpose Relay

BTA2 Series Quick Connect Blade Terminal

Flat terminals (0.187" x 0.020") for standard plug-in mounting; also accepts quick-connect receptacles or direct soldering.

- Contact rating: 120VAC/28VDC @ 13A; 240VAC @ 10A
- 3PDT • 11-pin • Ambient operating temperature: -30˚C to +50˚C
- Size: 1.5"L x 1.4"W x 2.2"H

Part No.	Product No.	NTE Cross Ref.	Coil Voltage	1	10	50
139854	BTA2-3C-24VDC	R10-14D10-24	24VDC	$7.95	$6.95	$5.95

CDB Series CMOS IC Time Delay Relay

- Timing ranges: 0.1 seconds to 180 seconds • DPDT
- Contact rating: 10A @ 30VDC or 277VAC resistive
- Electrical life: 10,000 operations min. @ rated load

Power Requirement: AC or DC – typically less than 3W

Part No.	Product No.	Voltage	Time (sec)	Pins	Price
497299	CDB-38-70004	120VAC	0.6 – 60	8	$199.95

★ *I/O Module Relays Online — Enter Web Code TBW*

CdS Photocells

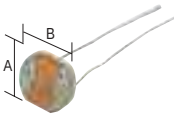
JAMECO ValuePro

★ *Web Code: CBG*

- Generate variable signal based on detection of light levels • Cadmium Sulfide (CdS) • Operating temperature: -30°C to +70°C • Soldering: 230°C for 3 seconds

Applications: Auto-focus lenses, exposure meters, contrast controls for TVs, dimmer or light switches, flame detectors, electronic toys, street lamp switches, optocouplers

202438



120299

Part No.	Product No.	Rating Vp	Rating mW	Resistance (Ω) Dark	Resistance (Ω) Light	Size (inches) A	Size (inches) B	Lead Spacing (inches)	Lead Length (inches)	Pricing 1	Pricing 10	Pricing 100	Pricing 500
202366	CDS0029001	150	90	300k	4k	0.14	0.17	0.10	1.02	$1.49	$1.35	$1.19	$.95
120310	CDS0029004	150	90	2M	27k	0.14	0.17	0.10	1.44	1.49	1.35	1.19	.95
202391	CDS0029203	150	90	10M	5k	0.14	0.17	0.10	1.02	1.49	1.35	1.19	.95
202382	CDS0029008	150	90	20M	10k	0.14	0.17	0.10	1.02	1.49	1.35	1.19	.95
202403	CDS0018001	150	100	200k	3k	0.17	0.20	0.13	1.02	.89	.79	.69	.59
202420	CDS0018003	150	100	500k	16k	0.17	0.20	0.13	1.02	.99	.89	.79	.69
202411	CDS0018006	150	100	5M	80k	0.17	0.20	0.13	1.02	.99	.89	.79	.69
120301	CDS0037001	200	150	300k	3k	0.25	0.29	0.20	1.02	1.79	1.59	1.45	1.19
202438	CDS0037004	200	150	500k	15k	0.25	0.29	0.20	1.02	1.49	1.35	1.19	.95
120299	CDS0045001	350	400	300k	8k	0.37	0.43	0.30	1.44	1.79	1.59	1.45	1.19
202454	CDS0045003	350	400	1M	12k	0.37	0.43	0.30	1.44	1.79	1.59	1.45	1.19

NTC Thermistors

- Typical applications: temperature measurement/ control/compensation; power supply fan control; PCB temperature monitoring
- Max. allowable power (@ 250°C): 0.55W
- Thermal dissipation factor: 6.5mW/°C (@ 250°C)
- Resistance value allowable difference: 10%

★ *Web Code: RBG*

Part No.	Product No.	Resistance (Ω @ 25°C)	B Constant (25/50°C >10%)	Temp. Coef. @ 25°C (%/°C)	Pricing 1	Pricing 10	Pricing 100
207521	NTC-101ℛ	100	3100	-3.5	$.49	$.39	$.35
207511	NTC-201	200	3100	-3.5	.49	.39	.35
207483	NTC-102ℛ	1k	3800	-4.3	.49	.39	.35
207466	NTC-302	3k	3900	-4.4	.49	.39	.35
207441	NTC-502ℛ	5k	3900	-4.4	.49	.39	.35
207037	NTC-103ℛ	10k	4100	-4.6	.49	.39	.35
207002	NTC-503ℛ	50k	4200	-4.7	.49	.39	.35
206991	NTC-104ℛ	100k	4400	-4.9	.49	.39	.35
206982	NTC-1204ℛ	200k	4500	-5.1	.49	.39	.35

Reed-Based Magnetic Proximity Sensors

513359

- Hermetically sealed contacts • Zero power consumption
- Contact resistance: 0.2Ω max. • Suitable for AC/DC circuits
- Breakdown voltage: 200VDC min. • SPST NO
- Operating temp. range: -40˚C to 105˚C • 10-watt
- Max. switching voltage: 175VDC @ 0.5A • Typical op. time: 0.6ms

Part No.	Mfr. Part No.	Description	1	10	25
482417	AS201901	Magnetic actuator	$2.95	$2.59	$2.29
513359	MP201901	Magnetic sensor	2.95	2.59	2.29

Digital Vane Speed & Proximity Sensor

- Operating voltage range: 4.5-24VDC • Output current: 25mA max.
- Reverse battery protection to -24VDC • Oper. temp.: -40˚C to 85˚C
- Open collector output compatible w/ all logic families
- Sensor body material: glass filled polyester • Output: 3-wire sink

Part No.	Mfr. Part No.	Termination Pins	Supply Current	1	10	25
577598	VN101503	24AWG x 150mm	6mA max	$5.95	$5.49	$4.95

Actuator Magnet Speed & Proximity Sensors

- Aluminum housing
- Adjustable thread mounting stud
- Operating range: -40˚C to 150˚C

★ *Web Code: MAS*

482388

Part No.	Mfr. Part No.	Pole	1	10
482370	AS101001	South facing	$4.29	$3.95
482388	AS101002	North facing	4.29	3.95

Digital Hall-Effect Magnetic Proximity Sensors

Flange Mount • Applications: door position sensing, flow sensing, pedal switch

- Capable of millions of operations • Meets IEC529 IPX5 for water protection
- Reverse battery protection to -24VDC • Output wire: 3-wire sink
- Output saturation voltage max.: 400mV • Operating voltage range: 4.5-24VDC

513252

★ *Web Code: CCC*

Part No.	Mfr. Part No.	Supply Curr. Max. (mA)	Output Curr. Max. (mA)	Op. Point Gauss (max.)	Rel. Point Gauss (min.)	Function	Pricing 1	Pricing 10	Pricing 25
513252	MP101401	5.2	20	185 (south)	60 (south)	Unipolar switch	$4.95	$4.49	$3.95
513261	MP102103	12	25	300 (north)	195 (north)	Switch	5.95	5.49	4.95

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 190.*

Inductive Proximity Switch Sensors

Cylindrical and Square Styles

★Web Code: MAX

- Operating voltage range: 10-30VDC
- Nominal operating voltage: 12VDC
- Normally open output
- Switching frequency: 1.5kHz
- Current consumption: 10mA max.
- Sensing target: inductive type – magnetic metal
- Sensing distance: ±10% (tin)
- Short-circuit protected
- Pre-tinned pigtail
- Fast response
- LED status indicator
- 6' long cable

421147 421155 421163 421171

421180 421198 155547

167020 248858 421251 421227 421235 421294

Part No.	Product No.	Output Circuit	Effec. Dist. (Iron)	Standard Target (Iron) (mm)	Dimensions (L x Dia.)	Mounting Hole (in.)	Pricing 1	5	25
421147	CS12-02N-1	NPN	0-1.6mm	12 x 12 x 1	2.2" x 0.83"	0.67	$15.95	$14.95	$13.95
421155	CS12-05N-1	NPN	0-0.4mm	12 x 12 x 1	2.4" x 0.88"	0.67	15.95	14.95	13.95
167020	TS12-02N-1	NPN	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	19.95	17.95	15.95
248858	TS12-02P-1	PNP	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	19.95	17.95	15.95
421219	TS12-08N-1	NPN	0-6.4mm	18 x 18 x 1	2.4" x 1.10"	0.94	15.95	14.95	13.95
155547	S18-05N-1	NPN	0-4.0mm	18 x 18 x 1	1.4"Lx1.4"Wx0.7"H	0.112	11.95	10.95	9.95
421163	CS18-05N-1	NPN	0-0.4mm	18 x 18 x 1	2.1" x 1.10"	0.95	19.95	17.95	15.95
421171	CS18-08N-1	NPN	0-6.4mm	18 x 18 x 1	2.4" x 1.10"	0.95	19.95	17.95	15.95
421251	S25-07N-1	NPN	0-5.6mm	25 x 25 x 1	1.4" x 1.50"	0.98	15.95	14.95	13.95
421180	CS30-10N-1	NPN	0-12mm	30 x 30 x 1	2.3" x 1.40"	1.40	24.95	23.95	22.95
421198	CS30-15N-1	NPN	0-12mm	30 x 30 x 1	2.7" x 1.40"	1.40	24.95	23.95	22.95
421227	TS30-10N-1	NPN	0-8.0mm	30 x 30 x 1	2.4" x 1.10"	1.10	24.95	23.95	22.95
421235	TS30-15N-1	NPN	0-12mm	30 x 30 x 1	2.7" x 1.40"	1.40	24.95	23.95	22.95
Photo Electric Sensors									
421278	WE-M3D*✪	NPN	0-2.0m	>10-40mm Dia.	2.6" x 0.708"	0.71	$29.95	$27.95	$25.95
421286	WE-R3AL†	NPN	0-200mm	—	2.6" x 0.708"	0.71	29.95	27.95	25.95
421294	WE-R3BL†	NPN	0-80mm	15-44mm	2.6" x 0.708"	0.71	29.95	27.95	25.95
421260	WE-T3AD	NPN	0-5.0mm	≥8mm Dia.	2.6" x 0.708"	0.71	44.95	41.95	39.95

* Dark-on † Light-on ✪ Blue Part No. = Limited Quantity Available

Hall-Effect Magnetic Proximity Sensor

★Web Code: CCC

- With Snap-Fit Mount
- Output: 3-wire sink
- Solid state reliability
- Operating voltage range: 4.75-24VDC
- Immune to dust, dirt, & moisture
- No mechanical contacts to wear out
- Digital output compatible with all logic families
- South pole sensitive or bi-polar latch
- Operating temp. range: -40˚C to 85˚C
- Output saturation voltage max.: 400mV
- Reverse polarity protection to -24V

Part No.	Product No.	Supply Curr. Max. (mA)	Output Curr. Max. (mA)	Op. Point Gauss (max.)	Rel. Point Gauss (min.)	Wire	Pricing 1	10	25
513244	MP101301	4	25	300	60	24AWG x 1m	$4.95	$4.49	$3.95

Magnetic Proximity Sensors

513279
513308

- Omnipolar, magnetically activated switch
- Hermetically sealed
- Contact resistance: 0.2Ω max.
- Can be approached by any magnet from any angle with either pole
- Zero power consumption
- Breakdown voltage: 200VDC min.
- Operating temp. range: -40˚C to 105˚C

513279: Aluminum Threaded Housing • Immune to hostile environments • Suitable for AC/DC circuits

513308: Cylindrical Plastic Housing • Resistant to dirt and moisture

Part No.	Product No.	Contact Form	Power (W)	Switching volt. Max. (VDC)	Switching Curr. Max.(A)	Op. Time Typical (ms)	Pricing 1	10	25
513279	MP200701	SPST NO	10	175	0.5	0.6	$8.95	$7.95	$6.95
513308	MP201701	SPST NO	10	175	0.5	0.5	2.39	2.15	1.95

Pressure Sensors

Typical applications: air movement control, level indicators, leak detection, robotics and industrial controls.

- To convert kPa to PSI: 1kPa = 0.1450377PSI

320987 321293

Part No.	Product No.	Type*	Case Type	Pressure (kPa)	Output	Operating Voltage	1	5	25
320987	MPX2010DPℛ	D	344C	0-10	25mV	10VDA @ 6mA ..	$19.95	$17.95	$15.95
321293	MPX5050DP	D	867	0-50	4.7V	5VDA @ 7mA	24.95	22.49	19.95

Solid State Digital Position Sensor

Honeywell

- High output current capability -50mA absolute max.
- Oper. temp. range: -40°C to 150°C
- Supply volt.: 3.8VDC to 30VDC
- 3-pin SIP package • Output type: sink
- Output current: 20mA max.
- Output leakage current: 10µA max.
- Oper. point 180 gauss @ 25°C
- Release point 180 gauss @ 25°C
- Supply current: 10mA max. • Output volt.: 40mV

Part No.	Product No.	Type	1	5	25
1915915	SS466Aℛ	Latching	$.79	$.69	$.65

CHERRY Gear Tooth Speed Sensors

- Operating voltage range: 4.5-24VDC • Output: sink
- Output current: 25mA max.

Commercial Grade Hall-Effect

- Supply current: 6mA max.
- Barrel length: 1.0"
- Output voltage: 400mV max.
- Thread: 15/32" – 32 • Wire: 20 AWG x 1m
- Reverse battery protection from 24VDC
- Operating temperature range: -40˚C to 125˚C
- Adjustable aluminum housing

Part No.	Product No.	1	5	25
512401	GS100701	$19.95	$18.95	$17.95

Industrial Grade Hall-Effect

- M18-1 thread
- Oper. temp.: -40°C to 105°C
- Adjustable steel housing
- Reverse battery protection to -24VDC
- Supply current: 6mA max. • Output volt.: 700mV
- Barrel length: 65mm • 12mm circular connector

Part No.	Product No.	1	5	25
512381	GS100201	$49.95	$44.95	$39.95

24VDC Liquid Level Sensor

Combine the control box and sensor to activate a water valve. When sensor is triggered by a tank in either full or empty condition, it will trigger an output status change.

★Web Code: LLS

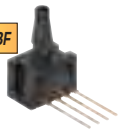
- Diameter: 1.0"
- Overall Length: 3.9" • Travel Distance: 2.0"

Part No.	Description	1	5	25
176250	Sensor empty type	$9.95	$7.95	$7.49

Microstructure Pressure Sensor

Honeywell

★Web Code: CBF



- Excitation: 10VDC typical
- Linearity: ±0.5% • Span: 330mV
- Sensitivity: 11mV/psi
- Response time: 1msec.
- Input/output resistance: 5kΩ typical
- Pressure range (psi): 30
- Overpressure (psi): 60 max.
- Gage unamplified, non-compensated flow-through

Part No.	Product No.	1	5
1817004	24PCDFB6Gℛ	$17.95	$16.49

Pressure Sensor

★Web Code: CBF

- Pressure range: -1.1 to 2.5 PSI
- Operating voltage: 5V @ <10mA
- Max. excitation voltage: 8V
- 1/8" diameter tubing is applicable
- Pressure media: non-corrosive gas
- Pre-calibration of offset volt. & span
- Maximum load pressure: twice rated pressure
- On-chip amplification and temp. compensations
- Volt-level output • Size: .55"L x .47"W x .20"H

Part No.	Product No.	Mfr.	1	10	100
196103	XFPN-025-KPGRNW1	Fujikura ..	$12.95	$11.49	$9.95

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Electromech

Humidity Sensor

Honeywell

★Web Code: WEG

- Linear volt. output vs %RH
- 3-pin SIP
- Volt. supply: 4 to 5.8VDC
- Op. temp.: -40°C to 85°C
- High accuracy
- Current supply: 500µA max.
- Accuracy (best fit straight line): ±3.5% RH
- Designed specifically for high volume OEM
- Direct input to a controller or other device is made possible by this sensor's linear voltage output

Part No.	Mfr. Part No.	Description	1	5	25
1860248	HIH-4000-003℞	0.10" lead pitch SIP w/ calibration & data printout	$26.95	$22.95	$21.95

Ambient Light Optical Sensor

AVAGO

A low-cost analog output ambient light photo sensor in a miniature chip LED lead-free surface mount package. It has a spectrally suited phototransistor, which peaks in human luminosity curve.

★Web Code: ZZZ

- Supply voltage: 2.4V to 5.5V
- Fall time: 0.8 ms
- Oper. temp.: -40°C to 85°C
- Rise time: 0.95 ms
- Light current ratio: 1.2
- Dark current: 50mA

Part No.	Product No.	1	10	50
1548511	APDS-9002-021℞	$.95	$.89	$.79

Flex Sensor

- Max. resistance: 30kΩ to 40kΩ, proportional to the degree of flexing or bending
- Length: 4.5"
- Applications: virtual reality data gloves, robotic, bio-metric, physics and engineering

Part No.	Description	Nominal Res.	1	10
150551	Flex sensor℞	10kΩ	$12.95	$11.49

Enter web codes online for additional product listings. Look for the web code box on the home page.

Ultrasonic Sensor Sets

- Use for motion or distance sensing
- Frequency: 40kHz ±1.0kHz
- Aluminum case

136654: Transmit/Receive Set • Capacitance: 2000pF ±30%

- Transmitter: bandwidth 4.0kHz @ 112dB, sound pressure level 119dB @ 40±1.0kHz
- Receiver: bandwidth 3.5kHz @ -71dB,min. sensitivity 65dB @ 40±1.0kHz (R=3.9kΩ)

139492: Transmit/Receive Set • Capacitance: 2000pF ±20%

- Transmitter: bandwidth 5.0kHz @ 100dB, sound pressure level 112dB @ 40 ±1.0kHz
- Receiver: bandwidth 5.0kHz @ -75dB, min. sensitivity 67dB @ 40 ±1.0kHz (R=3.9kΩ)

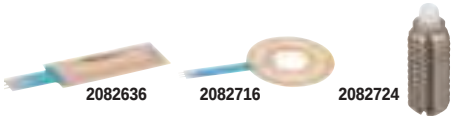
★Web Code: CAU

136654

139492

Part No.	Product No.	Case Size	Lead Length/Spacing	1	10	100
136654	40TR16F℞	0.47"H x 0.62"Dia.	0.39"	$7.95	$6.95	$5.95
139492	40TR12B℞	0.30"H x 0.43"Dia.	0.28"	7.95	6.95	5.95

Membrane Sensors/ Potentiometers



2082636 2082716 2082724

Membrane potentiometers are resistive elements or CARBON position feedback sensors with a sealed encasement and a non-conductive simple wiper assembly that connects the top and bottom circuit. By pressing the wiper down on the top circuit to close the connection with the bottom circuit, the linear sensor produces the desired electrical output. The membrane potentiometer can also be actuated through a manual control. Typical applications are: piston driven motion sensor tracking on chairs or seats, hydraulic motion/ tilts, robotics, door & window sensors, medical hand instruments and finger actuated music.

- Thinnest linear stroke sensor: <0.5mmH
- Sealed at IP65
- Simple application
- Ideal for low form factor applications
- Best priced linear stroke sensor on the market

Part No.	Product No.	Description	1	10
2082636	SP7182℞	50mm	$12.95	$11.49
2082652	SP7183℞	100mm	14.95	13.49
2082679	SP7184℞	200mm	17.95	15.95
2082708	SP7186℞	500mm	25.95	23.49
2082716	SP7186℞	Rotary	14.95	13.49
2082724	WP7688℞	Wiper	3.49	3.19

Earphones

KOBITONE

★Web Code: EHS

Part No.	Manufacturer	Product No.	Fig.	Type	Impedance (Ω)	Plug	Cord Length (ft.)	Color	Pricing 1	10	100
2098460	Kobitone	25DE035-ROX℞	3	Dynamic	8 ±20%	3.5mm	3	Gray	$1.75	$1.49	$1.25
2098443	Kobitone	25DE024-ROX	3	Dynamic	8 ±20%	2.5mm	6	Gray	1.95	1.75	1.49
2098451	Kobitone	25DE034-ROX℞	3	Dynamic	8 ±20%	3.5mm	6	Gray	1.95	1.75	1.49
2098427	Kobitone	25CR035-ROX℞	1	Ceramic	20M min.	3.5mm	3	Tan	1.95	1.75	1.49
2098435	Kobitone	25CR060-ROX	2	Ceramic	20M min.	Tinned	3	Tan	2.49	2.25	1.95

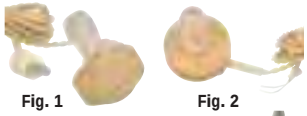


Fig. 1 Fig. 2

NEW MARKED IN PINK

Fig. 3

Magnetic Transducers (Speakers)

JAMECO ValuePro

★Web Code: JMT

- Applied voltage: 1/2 duty, square wave

Part No.	Manufacturer	Product No.	Fig.	Oper. Volt. (V/mA)	Volt. Range	Frequency (Hz)	Impedance (Ω)	Sound (dB)	Dimensions (H x Dia.)	Pricing 1	10	100
207918	ValuePro	DB105GFPN℞	1	1.5/30	1 – 2	2048	16	75	.22" x .47"	$.99	$.85	$.69
1537408	Various	QMB-01	3	1.5/15	—	2048	30	80	.53" x .63"	.99	.85	.69
106500	ValuePro	SBT-1205	2	5/40	3 – 8	2400	38	85	.40" x .48"	1.29	1.15	.99
138740	ValuePro	DBX05-PN℞	2	5/40	3 – 8	2400	47	85	.35" x .46"	1.29	1.15	.99
138722	ValuePro	DB111A-PN℞	2	1.5/10	1 – 2	2048	50	80	.32" x .46"	1.29	1.15	.99
673871	ValuePro	PRT-1205	2	5/40	3 – 8	2400	470	90	.35" x .46"	.79	.65	.49
673774	ValuePro	SBT-1612	3	12/40	6 – 18	2048	200	85	.53" x .62"	.99	.85	.69

Fig. 1 Fig. 2

Fig. 3

Piezo Transducers (Speakers)

★Web Code: JPT

Part No.	Manufacturer	Product No.	Fig.	Rated Voltage	Max. Current	Res Frequency	Sound (dB)	Dimensions (H x Dia.)	Pricing 1	10	100
1956784	Velleman	TV4℞	1	1.5Vp-p	1.5mA	4kHz	75	14mm x 50mm	$2.95	$2.59	$2.35
1956776	Velleman	TV1℞	2	1.5Vp-p	1.5mA	4kHz	85	6mm x 30mm	1.95	1.75	1.59
2098540	Kobitone	PB220-ROX	3	3Vp-p	3mA	2kHz	70	26.5mm x 22mm	1.09	.95	.79
2098523	Kobitone	PB140-ROX	4	5Vp-p	5mA	4kHz	80	6.8mm x 13.8mm	1.29	1.15	.99
2098558	Kobitone	PB160-ROX	5	9Vp-p	7mA	4kHz	80	4mm x 16.5mm	1.19	1.09	.89
2098531	Kobitone	PB102-ROX	6	10Vp-p	5mA	3.2kHz	80	3.2mm x 10mm	1.29	1.15	.99
2099702	Kobitone	256-PB315*	7	10Vp-p	7mA	4kHz	82	7.6 mm x 17mm	1.29	1.15	.99
2099711	Kobitone	256-PB012*	2	10Vp-p	8mA	6kHz	88	4mm x 24mm	1.29	1.15	.99
2099729	Kobitone	256-PB015*	3	10Vp-p	9mA	5kHz	80	4mm x 16.5mm	1.29	1.15	.99
2098566	Kobitone	AZ-3025E-W-LF	2	10Vp-p	9mA	2.5kHz	86	9.5mm x 30mm	1.29	1.15	.99
336276	ValuePro	PT-1250W	3	12Vp-p	2mA	4kHz	75	13mm x 30mm	1.49	1.25	.95
336314	ValuePro	PT-2038FW℞	8	12Vp-p	3mA	4kHz	80	4.5mm x 24mm	1.49	1.25	.95
2077280	Panasonic	24C411	4	15Vp-p	2mA	4kHz	85	24mm x 6mm	1.49	1.25	.95

* Requires external drive

NEW MARKED IN PINK

Fig. 1 Fig. 2

Fig. 3 Fig. 4 Fig. 5

Fig. 6 Fig. 7 Fig. 8

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Piezo Buzzers (Announciators)

NEW MARKED IN PINK

★Web Code: JPB

Part No.	Manufacturer	Product No.	Fig.	Tone	Oper. Volt. (V/mA)	Volt. Range	Sound (dB)	Freq. (Hz)	Dimensions (H x Dia.)	Pricing 1	10	100
2081246	Shogyo	SEP-2202A5	6	Single	3/11	1.5 – 6	85	3000	16mm x 24mm	$2.49	$2.25	$1.95
335557	ValuePro	MSR320ℛ	13	Single	3–20/3–16	3 – 20	80	3400	.39" x .91"	2.75	2.55	2.29
337535	ValuePro	SNP428	15	Single	4-28/3-16	4 – 28	76	2900	.85" x 1.64"	2.49	2.25	1.95
1956696	Velleman	SV4/5-Sℛ	8	Single	5/25	3 – 6	87	3200	.30" x .47"	3.65	3.45	3.29
2081959	Floyd Bell	UC-05-515-P	17	Single	5/30	5 – 15	96	2100	1.08" x 1.40"	3.95	3.59	3.19
2098611	Kobitone	15210-ROXℛ	6	Single	6/6	3 – 15	90	4000	0.335" x 0.543"	3.49	3.15	2.85
336989	ValuePro	SC616N	2	Single	6–16/6–22	6 – 16	95	2900	1.28" x 1.69"	1.95	1.75	1.55
1956741	Velleman	SVM06ℛ	5	Single	6/20	3 – 7	75	300-500	.91"L x .63"W x .59"H	1.95	1.75	1.55
337210	ValuePro	SC628D	2	Single	6-28/5-18	6 – 28	75	1900	1.25" x 1.69"	2.95	2.65	2.35
2098654	Kobitone	35C5-ROXℛ	20	Single	6/40	3 – 15	110	2800	1.02" x 1.65"	4.75	4.25	3.75
2098638	Kobitone	27C0-ROXℛ	21	Single	9/8	3 – 20	97	3500	0.552" x 1.22"	3.69	3.25	2.89
196357	Various	AL-175	14	Single	12/5.8	3 – 16	86	4000	.30" x .54"	1.75	1.49	1.25
1956725	Velleman	SV8ℛ	6	Single	12/6	3 – 16	85	4000	.30" x .55"	2.45	2.25	1.95
138713	ValuePro	32S4120-PNℛ	14	Single	12/7	3 – 16	80	4000	.30" x .54"	2.45	2.25	1.95
673900	ValuePro	SEP-1172	18	— †	12/7	3 – 28	81	3300	16mm x 31.4mm	1.25	.95	.79
2099690	Kobitone	256-PB313	16	Continuous	12/7	3 – 28	82	3600	.413" x 1.18"	1.95	1.75	1.49
336639	ValuePro	SBM616PU	19	—†	12/8	3 – 28	90	2900	16mm x 42mm	1.95	1.69	1.49
673926	ValuePro	SEP-2202A	6	Single	12/11	3 – 20	85	3000	16mm x 24.2mm	1.49	1.25	.95
1956688	Velleman	SV4ℛ	9	Single	12/12	4 – 15	90	2800	.79" x 1.10"	1.85	1.65	1.55
1956750	Velleman	SVM12ℛ	5	Single	12/15	7 – 17	75	300-500	.91"L x .63"W x .59"H	1.95	1.75	1.65
1956670	Velleman	SV2ℛ	10	Single	12/15	4 – 15	85	2800	.57" x 1.10"	2.19	2.09	1.95
1956709	Velleman	SV4/12-Sℛ	8	Single	12/15	8 – 16	85	3200	.30" x .47"	3.65	3.45	3.25
335927	ValuePro	PK-20A38P	6	Single**	12/15	3 – 24	95	3800	18mm x 23mm	2.95	2.59	2.29
335505	ValuePro	MAS800	12	Single	12/50	9 – 12	103	2800	15.2mm x 26mm	1.95	1.75	1.49
32602	ValuePro	11S3240-Rℛ	1	Single	24/15	1 – 27	95	2900	1.4" x 1.7"	4.95	4.45	4.29
1956768	Velleman	SVM24ℛ	5	Single	24/20	16 – 30	75	300-500	.91"L x .63"W x .59"H	2.45	2.35	2.19
76021	ValuePro	7S3240-LA	1	Single	24/20	1.5 – 28	95	3200	1.0" x 1.1"	3.95	3.49	2.95
1956733	Velleman	SV10ℛ	4	Dual	12/8	3 – 28	90	2900	.79" x 1.10"	8.95	8.59	8.15
1956717	Velleman	SV5ℛ	7	Dual	12/8	3 – 28	90	3500	.77" x 1.28"	6.39	6.15	5.79
249498	ValuePro	1103120-LF-TAℛ	1	Dual*	12/25	4 – 16	95	2900	34.5mm x 43.5mm	2.95	2.65	2.39
1956661	Velleman	SV1ℛ	11	Dual	12/30	1 – 13	105	2900	1.02" x 1.77"	5.95	5.75	5.45
123538	ValuePro	11D3240ℛ	1	Dual*	24/20	4 – 28	80	2900	1.4" x 1.7"	4.19	3.79	3.39
336997	ValuePro	SC616NJ	1	Pulse	6-16/6-22	6 – 16	95	2900	1.28" x 1.69"	4.95	4.49	3.95
337383	ValuePro	SC628P	1	Pulse	6-28/4-16	6 – 28	80	2900	1.84" x 1.69"	4.95	4.49	3.95
335855	ValuePro	PK-12N40P	6	Pulse	12/10	3 – 15	83	4100	8mm x 14mm	2.95	2.59	2.29
336049	ValuePro	PK-27N36W	2	Pulse	12/15	3 – 28	90	3500	10mm x 30mm	2.55	2.19	1.95
335695	ValuePro	PF-20A35EW	3	Fast pulse	12/10	3 – 28	95	3500	.98" x 1.10"	3.55	3.19	2.49
336664	ValuePro	SC105ℛ	2	Single	1-5/3-16	1 – 5	75	2900	1.28"H x 1.69"Dia.	1.95	1.75	1.55

*Continuous or Fast Pulse **Press fit: Panel hole - 27mm (1.06") † Requires driver circuit

Mechanical/Electromechanical Buzzers

JAMECO ValuePro

★Web Code: MEB

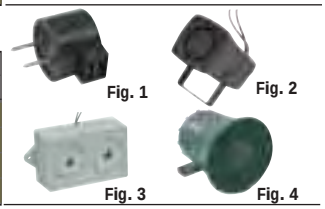
Part No.	Manufacturer	Product No.	Fig.	Oper. Volt. (V/mA)	Voltage Range	Frequency (Hz)	Sound (dB)	Dimensions	Pricing 1	10	100
335370	ValuePro	AST200	1	3/80	2 – 5	2731	85	8.7"sq. x 4.2"H	$1.49	$1.29	$1.09
335441	ValuePro	AST800	1	3	2 – 4.5	3200	87	11 W x 14 D x 3.5 H (mm)	1.95	1.59	1.29
140695	ValuePro	63S1120-LA	2	12/25	9 – 15	400	75	1.3"L x 0.7"W x 0.6"H	1.95	1.59	1.29
335345	ValuePro	ASI301	1	5/30	4 – 7	2400	90	.5"L x .5"W x .4"H	.95	.85	.69
335353	ValuePro	ASI401	1	12/30	8 – 15	2400	90	.5"L x .5"W x .4"H	.95	.85	.69
335388	ValuePro	AST500	1	1.5	1.2 – 3	2400	85	.5"L x .5"W x .4"H	.95	.85	.69
76065	ValuePro	TDB05-PNℛ	3	5/30	4 – 7	2300	85	.35"H x .46"Dia.	2.95	2.75	2.55
24872	ValuePro	63S109LAℛ	2	9/30	6 – 12	400	75	1.3"L x 0.7"W x 0.6"H	1.49	1.35	1.19

Piezo Sirens

JAMECO ValuePro

★Web Code: POS

Part No.	Manufacturer	Product No.	Fig.	Oper. Volt. (V/mA)	Voltage Range	Frequency (Hz)	Sound (dB)	Dimensions	Pricing 1	10	100
336225	ValuePro	PS-562	1	12/40	5 – 15	2500/3500	100	16mm x 42mm Dia.	$4.95	$4.49	$3.95
207993	ValuePro	SL15R3120LAℛ	2	12/250	6 – 16	3500	105	2.3"L X 1.8"W X 1.6"H	4.95	4.49	3.95
207889	ValuePro	18R3120ℛ	3	12/120	9 – 15	1500/3100	105	3.4"L x 2.2"W x 1.3"H	6.95	6.29	5.49
148152	Various	YC-321-1	4	12/300	2 – 12	3000	108	2.5"L x 2.8"Dia	7.95	6.95	5.95



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Call us at 1-800-831-4242.

30mm PCB Mountable Speakers

NEW MARKED IN PINK

- Ideal for PC board mounting
- Power (nominal/max.): 0.15W/0.2W
- Mylar diaphragm
- Solder leads

135722

Part No.	Size (H x Dia.)	Impedance	Pin Spacing	Freq. Range	SPL (dB)	1	10	100
2095234	0.57" x 1.24	8Ω	0.69"	700-4kHz	82	$1.75	$1.49	$1.25
135722	0.50" x 1.17"	8Ω	0.59"	700-5kHz	82	1.95	1.75	1.49
2099817	0.47" x 1.16"	100Ω	0.58"	1.1kHz ±20%	95	1.95	1.75	1.49

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Flat Element, Square Speakers

NEW MARKED IN PINK

★Web Code: XAE

- Excellent for alarms or other voice uses
- Stainless steel diaphragm

Part No.	Product No.	Dimensions (Dia." x D")	Input Nom (W)	Input Max (W)	Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Element Size (Dia." x H")	Pricing 1	Pricing 10	Pricing 100
34025	GSP02-R℞	1.2 x 0.2	0.4	0.8	8	70	1300 – 8000	1.2 x 0.1	$2.25	$1.95	$1.49
76030	AZ40S	1.6 x 0.2	0.4	0.8	8	70	600 – 6000	1.6 x 0.1	1.95	1.69	1.49
673766	AZ50S	1.9 x 0.2	0.4	0.8	8	70	500 – 6000	1.9 x 0.1	1.75	1.49	1.19

34025 Side

34025 Front

Alnico Round, Square and Rectangular Speakers

★Web Code: EAL

- For computer case use
- Paper diaphragm
- Large magnet
- Wide frequency response
- Pre-tinned solder lugs

Part No.	Product No.	Fig.	Dimensions (Dia." x D")	Input Nom (W)	Input Max (W)	Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia." x H")	Pricing 1	Pricing 10	Pricing 100
2099614	31204	2	4.05 x 1.6	1.0	2.0	4	95	300 – 1200	0.87 x 0.57	$2.95	$2.49	$1.95
135765	RA2425	1	2.2 x 0.8	0.25	0.5	8	87	400 – 4000	0.5 x 0.4	1.59	1.45	1.09
88411	A0200℞	1	2.0 x 0.8	0.2	0.4	8	87	430 – 4500	0.5 x 0.4	2.29	1.95	1.75
111588	B0102℞	2	1.7 x 0.6	0.1	0.3	8	83	500 – 5500	0.5 x 0.4	1.95	1.69	1.49
135812	A1527C02℞	3	1.6 x 2.8 x 1.2	2.0	5.0	8	82	450 – 20000	0.5 x 0.5	4.49	3.95	3.59
2077301	25S9024	1	2.25 x 0.77	0.2	0.2	8	90	450 – 4000	0.87 x 0.77	1.95	1.69	1.49
1954834	NMB-0030††	1	1.8 x 0.5	0.5	1.0	8	87	550 – 6000	0.9 x 0.2	2.49	2.25	1.95
2081676	FM009A**	2	4.0 x 1.6	15.0	30.0	8	102	900 – 6000	2.75 x 7.3	3.95	3.59	3.19
1950972	I-826-219*	4	8.2 x 2.2 x 2.0	1.0	13.0	8	95	30 – 20000	1.5 x 2.8	6.95	6.29	5.49
2081220	TP-252†	1	2.6 x 0.875	0.5	1.0	16	89	400 – 4000	0.87 x 0.5	2.49	2.25	1.95
1954826	R11-49†	2	2.9 x 1.2	0.5	1.0	16	89	300 – 7500	0.9 x 0.4	2.49	2.25	1.95
1954842	609-0033†	3	3.6 x 2.0 x 1.5	1.0	3.0	16	89	200 – 3000	0.9 x 0.7	2.95	2.59	2.39
1954851	R-A162†	2	4.0 x 1.5	1.0	2.0	16	89	200 – 3500	0.9 x 0.6	2.95	2.59	2.39
307820	UF1082	5	1.73 x 0.275	0.5	1.0	40	80	200 – 6000	0.8 x 0.056	2.95	2.59	2.39

*Sony LCD plasma replacement speaker (actual size: 6"H x 2.15"W x 1.94"D) **Indoor/outdoor mylar diaphragm (closed back) † With wire leads †† Pair of wire leads (2) 11"/10"

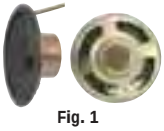


Fig. 1

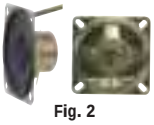
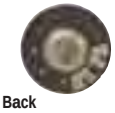


Fig. 2

Fig. 3

Fig. 4


Back

Side

Fig. 5

Micro Round Speakers

NEW MARKED IN PINK

★Web Code: TBX

Part No.	Product No.	Dimensions (Dia." x D")	Input (W) Nom.	Input (W) Max.	Impedance (Ω)	Magnet Size (Dia." x H")	Output SPL (dB)	Frequency Range (Hz)	Pricing 1	Pricing 10	Pricing 100
2099825	H73	0.80 x .115	0.1	0.2	8	0.47 x 0.03	78	800 – 7000	$1.59	$1.45	$1.09
2099606	SP801W	1.05 x 0.35	0.1	0.2	8	0.67 x 0.17	78	320 – 7500	1.75	1.49	1.25
2095242	35CS088-M75NA	1.4 x 1.3 x 0.2	0.2	0.3	8	0.44 x 0.10	80	550 – 6700	1.95	1.75	1.49
307871	GC0401M	1.57 x 0.67	0.2	0.3	8	0.71 x 0.43	80	600 – 8000	1.49	1.29	1.09
2081191	5000375-00	2.00 x 0.34	0.2	1.5	8	0.63 x 1.14	85	600 – 3000	1.75	1.49	1.25
1956590	TR-050F-R	2.00 x 0.70	0.5	1.0	16	1.25 x 0.34	85	500 – 5000	1.49	1.29	1.09
138861	GC0201	0.80 x 0.169	0.1	0.2	32	0.26 x 0.06	78	800 – 7000	.99	.89	.75
2099593	SP452W	2.25 x 0.5	0.1	0.2	45	0.68 x 0.17	86	150 – 9000	1.95	1.79	1.59
355514	YGD40A-50	1.57 x 0.40	0.5	1.0	50	0.72 x 0.43	89	600 – 5200	1.95	1.69	1.49

2099825

2099606

307871

2081191

2099593

Round Ferrite Speakers

★Web Code: TAT

- Pre-tinned speaker lugs
- Anodized metal surfaces
- Braided copper voice coil leads
- Paper diaphragm
- Large magnet

For speaker wire, see page 60

Part No.	Manufacturer	Product No.	Dimensions (Dia." x D")	Input (W) Nom.	Input (W) Max.	Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia." x H")	Pricing 1	Pricing 10	Pricing 100
320135	Various	C35128A†	2.0 x 0.7	0.2	0.4	8	83	420 – 5000	1.3 x 0.4	$1.49	$1.25	$1.09
135589	Various	FE200	2.0 x 0.7	0.2	0.4	8	83	420 – 5000	1.3 x 0.4	1.95	1.69	1.49
320362	Various	TR-050F	2.0 x 0.7	0.25	0.5	8	86	320 – 4000	1.3 x 0.4	1.95	1.69	1.49
10840	Various	FE201	2.2 x 0.7	0.2	0.4	8	88	400 – 4500	1.3 x 0.4	1.95	1.69	1.49
2081254	Star	FR-05202-01	2.0 x 1.15	3	5	8	85	100 – 5000	1.6 x 0.5	2.49	2.25	1.95
1954800	Regal	R-F163†	3.0 x 1.3	1.5	3.0	16	89	200 – 3000	1.8 x 0.4	2.49	2.25	1.95
2099585	Various	RF-608E	2.2 x 0.7	1	2	48	86	300 – 3000	1.26 x 0.4	2.49	1.95	1.59
2081844	Various	20-220-NSR†	2.0 x 0.7	1	2	50	86	300 – 3000	1.26 x 0.4	2.49	2.25	1.95

† With lead wires

320135 Side

320135 Back

Square Ferrite Speakers

NEW MARKED IN PINK

★Web Code: EDT

- Pre-tinned speaker lugs
- Anodized metal surfaces
- Braided copper voice coil leads
- Paper diaphragm
- Large magnet

Part No.	Manufacturer	Product No.	Dimensions (Dia." x D")	Input (W) Nom.	Input (W) Max.	Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia." x H")	Pricing 1	Pricing 10	Pricing 100
99996	Various	FEB204℞	2.6 x 0.9	3.0	4.0	4	95	300 – 14000	1.8 x 0.5	$2.69	$2.39	$2.05
135694	Various	FEB200℞	2.0 x 0.7	0.2	0.3	8	82	500 – 6000	1.3 x 0.5	1.95	1.69	1.49
2099833	Various	964000-002	2.6 x 0.8	0.2	0.3	8	97	500 – 6000	1.3 x 0.4	2.69	2.39	1.95
1954818	Various	TQ-100F-R	4.0 x 1.4	6.0	8.0	8	97	800 – 10000	1.8 x 0.5	2.95	2.59	2.39
31959	Various	FEB216℞	2.6 x 0.8	0.2	0.4	16	85	330 – 8000	1.3 x 0.5	2.69	2.39	2.15
249463	Various	66SF25	2.6 x 0.8	0.3	0.5	25	10	320 – 4000	1.3 x 0.5	2.49	2.25	1.95
2099577	Various	SP83W	3.0 x 1.5	2.0	3.0	8	90	300 – 10000	1.8 x 0.6	2.95	2.59	1.95

99996 Side

99996 Back

Omni-Directional Electret Condenser Microphone Cartridges

Applications: Tape recorders, intercoms, hearing aids, telephone and answering devices, sonic controlled toys and sensors ★Web Code: QBW

1950948

136574/ 320179

Part No.	Manufacturer	Product No.	Sensitivity	Frequency (Hz)	Max. Op. Volt.	Stand Op. Volt.	Max. Current	Sensitivity Reduction	S/N Ratio	Impedance	Terminals	Size (H x Dia.)	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
1950948	SPK Electronic	EM-4F-31	-60 ±3dB	50-16,000	10VDC	3.0VDC	0.5mA	-3dB @ 3V	>58dB	>2.2kΩ	PC pin leads	.27" x .39"	$.89	$.79	$.69	$.59
136574	ValuePro	WM-60PC℞	-54 ±2dB	20-12,000	12VDC	4.5VDC	0.5mA	-3dB @ 3V	>40dB	>2.2kΩ	PC pin leads	.30" x .38"	.95	.89	.75	.59
320179	Various	EM-99℞	-64 ±2dB	20-12,000	12VDC	4.5VDC	0.5mA	-3dB @ 3V	>40dB	>2.2kΩ	PC pin leads	.27" x .39"	.85	.75	.69	.65
2099622	ValuePro	C2034A	-46±2dB	20-12,000	12VDC	4.5VDC	0.5mA	-3sB @ 1.5V	60dB	2.2kΩ	PC pin leads	.27" x .37"	.85	.75	.69	.59

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Instrumentation Handles

1954797: Round aluminum black anodized
- 6-32 thread-on 1.25" centers (2)
- Size: 1.4"L x 1.0"H x 0.187"D

216821

216821/457801: Oval aluminum
- 10-32 thread-on 3.00" centers (2)

216821: • Size: 3.3"L x 1.3"H x 0.30"D

457801: • Size: 3.3"L x 1.0"H x 0.25"D

Part No.	Mfr.	Product No.	1	10	100
1954797	Keystone	9116	$1.95	$1.75	$1.49
216821	Various	8358-1032-B-5	3.95	3.75	3.49
457801	Various	811-0632-A-24	1.95	1.49	.95

2" General Duty Rigid Caster

- Polyolefin wheels give mobility to heavy loads on smooth surfaces
- Mounting bracket 3"L x 1-3/4"W
- Impervious to water and resists chemicals
- Long wearing, light weight and non-marking
- 125 lb. load rating per caster • Caster swivels 360˚

Part No.	Description	1	10	25
2082169	2-1/2" ground clearance	$2.25	$1.95	$1.75

Ceramic Donut Magnet

- For science, fridge or projects
- Size: 1.23" Dia. x 0.19" Thick • Center hole: .375" Dia.

Part No.	Product No.	1	10	100
109031	CDM	$.49	$.39	$.25

PCB Standoff Mounting Hardware

- Snap "on"
- Nylon

★Web Code: PSF

28337

129252

148056

292015

156831

✳ Order in mutiples of 10

Part No.	Product No.	Size (in.)	Holes	1	10	100
28337	CS1016	1.2L x .6W	.2"	✳	$.10	$.09
129252	PCST2ℛ	.9L x .4Dia.	.2"/.3"	.25	.19	.15
148056	PCST3	.8L x .5W	.1"/.2"	✳	.09	.07
292015	SBC-6	.7L x .27Dia.	.1"/.2"	✳	.16	.14
156831	CS-10	.68L x .32Dia.	.14"	✳	.19	.15

SAE Hardware

★Web Code: BAG

- Zinc-plated steel

Slotted Pan Head Machine Screws

Part Number	Screw Size	Thread	Length (inches)	100 piece multiples 100	1000
38173	2-56ℛ	Std	.250	$.05	$.04
2094320	2-56ℛ	Std	.375	.05	.04
2094338	2-56ℛ	Std	.500	.04	.03
40952	4-40ℛ	Std	.250	.04	.03
40970	4-40ℛ	Std	.375	.04	.03
106810	4-40ℛ	Std	.500	.04	.03
106543	6-32ℛ	Std	.250	.04	.03
42446	6-32	Std	.375	.04	.03
42438	6-32	Std	.500	.04	.03
2094346	8-32ℛ	Std	.250	.06	.05
106817	8-32ℛ	Std	.375	.06	.05
106797	8-32ℛ	Std	.500	.06	.05

Phillips Pan Head Machine Screws

Part Number	Screw Size	Thread	Length (inches)	100 piece multiples 100	1000
2094354	2-56	Std	.250	$.05	$.04
2094362	2-56	Std	.375	.05	.04
2094371	2-56ℛ	Std	.500	.05	.04
2094389	4-40ℛ	Std	.250	.04	.03
2094397	4-40ℛ	Std	.375	.04	.03
2094400	4-40ℛ	Std	.500	.04	.03
2094418	6-32	Std	.250	.04	.03
2094426	6-32	Std	.375	.04	.03
2094434	6-32	Std	.500	.04	.03
2094442	8-32ℛ	Std	.250	.06	.05
2094451	8-32ℛ	Std	.375	.06	.05
2094469	8-32	Std	.500	.06	.05

Phillips Round Head Machine Screws

Part Number	Screw Size	Thread	Length (inches)	100 piece multiples 100	1000
2095111	6-32	Std.	.197	$.04	$.03
2082978	6-32ℛ	Std	.250	.04	.03

Hex Nuts

Part Number	Screw Size	Thread	Diameter (inches)	100 piece multiples 100	1000
38165	2-56ℛ	Std	.183	$.03	$.02
40943	4-40	Std	.243	.03	.02
42420	6-32	Std	.306	.03	.02
51553	8-32	Std	.344	.03	.02

Flat Washers

Part Number	Screw Size	Diameter (inches)	100 piece multiples 100	1000
2094725	2	.188	$.03	$.02
211131	4	.237	.035	.025
106826	4ℛ	.281	.04	.03
106833	6	.373	.04	.03
106842	8ℛ	.375	.05	.04

Split Lock Washers

Part Number	Screw Size	Diameter (inches)	100 piece multiples 100	1000
106789	2	.172	$.03	$.02
40977	4ℛ	.242	.03	.02
42463	6ℛ	.240	.03	.02
51609	8	.279	.03	.02

Internal Tooth Lock Washers

Part Number	Screw Size	Length (inches)	100 piece multiples 100	1000
2094733	2	.200	$.05	$.04
106850	4	.258	.05	.04
106868	6	.277	.05	.04
106877	8ℛ	.323	.05	.04

Fender Washers

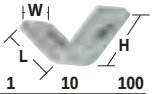
Part Number	Screw Size	Diameter (inches)	100 piece multiples 100	1000
401146	#10	1	$.09	$.08
401154	1/4"	1.25	.09	.08
401162	5/16"	1.5	.15	.12
401171	3/8"	1.5	.15	.12
401189	1/2"	2	.19	.15

4-40 Mounting Angle Brackets

- Material: zinc plated steel

1581530: Both holes 4-40 threaded

2082581: One hole 4-40 threaded



Part No.	Size (L x H x W)	1	10	100
1581530	.375" x .353" x .25"ℛ	$.29	$.25	$.19
2082581	.548" x .506" x .50"	.35	.29	.25

Adhesive Rubber Feet

These durable, pressure sensitive, adhesive-backed urethane bumpers adhere quickly and resist marring and staining on surfaces and give excellent skid and abrasion resistance.

Fig. 1

Fig. 2

Fig. 3

Fig. 4

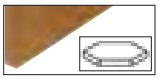


Fig. 5

Fig. 6

Fig. 7

Fig. 8

★Web Code: FAV

Part No.	Cross Reference No.	Type	Fig.	Pack	W" x H"	1	10	50
142658	SJ5012BLKCℛ	Black cylindrical	1	100	.50 x .14	$6.95	$5.95	$5.49
142771	SJ5008BLKCℛ	Black square tapered	2	100	.50 x .12	7.95	5.95	4.95
142682	SJ5018BLKCℛ	Black square tapered	3	100	.50 x .23	10.95	8.95	7.95
126981	SJ5023BLK4ℛ	Black square tapered	4	4	.81 x .30	.95	.85	.75
142666	SJ5023BLKCℛ	Black square tapered	4	100	.81 x .30	14.95	13.49	12.49
651891	SJ5201BRN132ℛ	Brown hexagon die cut	5	132	.43 x .13	7.25	6.45	5.79
651903	SJ5302CLR96ℛ	Clear hemisphere	6	96	.31 x .09	7.95	7.09	5.85
651911	SJ5312CLR56ℛ	Clear cylindrical	7	56	.50 x .14	7.95	7.09	6.35
651920	SJ5412WHT56ℛ	White cylindrical	7	56	.50 x .14	7.25	6.45	5.79
651938	SJ6553CLR132ℛ	Clear hexagonal cone	8	132	.43 x .12	8.15	7.19	6.49
2081385	GB201	100 assorted sizes & types of bumpers & rubber feet				8.95	7.95	6.95

Miscellaneous Hardware

NEW MARKED IN PINK

2099745

1581695

2099753

1582428

1581492

1581572

1582410

✳ Order in multiples of 10

Part No.	Description	1	10	100
2099745	Terminal lug, #4 stud washer, 0.465"L	✳	$.15	$.12
1581695	Offset leg, 6-32 3/8" screw terminal; 0.55"L	.25	.19	.15
2099753	Terminal lug, #8 stud washer, 0.605"L	✳	.19	.15
1582428	Swage threaded 4-40 standoff, 0.25"Dia. x 0.23"L	.35	.29	.25
1581492	Aluminum round spacer for #8 stud, 7/16"L	.25	.19	.15
1581572	Terminal lug, #6 stud Lockwasher, 0.865"L	.25	.19	.15
1582410	Single terminal turret .187"L x .109"Th (mtg hole: .078")	✳	.19	.15

★More RAF Electronic Hardware Online — Web Code RAF

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

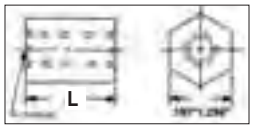
.187"/.250" Aluminum, Brass & Steel Hex Threaded Standoffs

★Web Code: TBQ

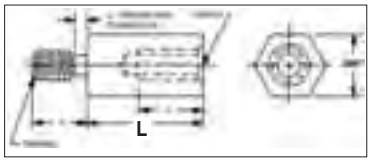
- Finish:
  1 Brass (plain)
  2 Aluminum iridite (clear)
  3 Brass bright tin plate
  4 Stainless steel
  5 Brass zinc clear chromate

Female (Fig. 1)

Male/Female (Fig. 2)



Hex Female (Fig. 1)



Hex Male/Female (Fig. 2)

Hex Female Standoffs

.187" Hex 4-40 Thread (Fig. 1)

Part No.	*Mfr.	Product No.	Length of L	Pricing 1	10	100
175636	✦	2052-440S0[1]	.187"	$.25	$.19	$.15
133613	RAF	2053-440AL7ℛ[2]	.250"	.29	.25	.19
102796	JVP	14-552ℛ[3]	.250"	.35	.29	.25
133640	RAF	2057-440AL7ℛ[2]	.500"	.39	.35	.25
139792	RAF	2058-440AL7ℛ[2]	.563"	.29	.25	.19
133648	RAF	2059-440AL7ℛ[2]	.625"	.29	.25	.19
133656	RAF	2061-440AL7ℛ[2]	.750"	.39	.35	.29
139185	RAF	2065-440AL7ℛ[2]	1.00"	.55	.49	.35

.250" Hex 4-40 Thread (Fig. 1)

Part No.	*Mfr.	Product No.	Length of L	Pricing 1	10	100
139193	RAF	2100-440A7ℛ[2]	.250"	$.25	$.19	$.15
393685	RAF	2100-440B12ℛ[5]	.250"	.25	.19	.15
1944353	✦	4-40BHEX[1]	.250"	.45	.39	.25
77501	RAF	2102-440AL7ℛ[2]	.375"	.29	.25	.19
393693	RAF	2102-440B12ℛ[5]	.375"	.59	.55	.35
134763	RAF	2103-440AL7ℛ[2]	.437"	.39	.35	.19
393705	RAF	2103-440B12[5]	.437"	.29	.25	.19
108371	RAF	2104-440AL7ℛ[2]	.500"	.45	.39	.25
393713	RAF	2104-440B1[5]	.500"	.59	.55	.35
77519	RAF	2106-440AL7ℛ[2]	.625"	.49	.45	.25
393721	RAF	2106-440B12[5]	.625"	.39	.35	.29
133605	RAF	2108-440AL7ℛ[2]	.750"	.45	.39	.25
393731	RAF	2108-440B12ℛ[5]	.750"	.79	.69	.65
1944370	✦	.2504-40BHEX[1]	.750"	.75	.69	.35
139205	RAF	2112-440A7[2]	1.00"	.29	.25	.19
393749	RAF	2112-440B12ℛ[5]	1.00"	.79	.69	.55
387399	RAF	2144-440A7[2]✪	5.00"	2.75	2.45	2.19
387401	RAF	2148-440A7[2]	6.00"	2.95	2.65	2.39
387428	RAF	2152-440A7[2]	7.00"	3.29	2.95	2.65
387444	RAF	2156-440A7[2]	8.00"	3.49	3.15	2.85
387452	RAF	2160-440A7[2]	9.00"	3.49	3.15	2.85
387461	RAF	2164-440-A-7[2]	10.0"	3.95	3.55	3.19

✪ Blue Part No. = Limited Quantity Available

.250" Hex 6-32 Thread (Fig. 1)

Part No.	*Mfr.	Product No.	Length of L	Pricing 1	10	100
77535	RAF	2100-632AL7ℛ[2]	.250"	$.29	$.25	$.19
393757	RAF	2100-632B12Lℛ[5]✪	.250"	.25	.19	.15
1582398	✦	6-32BHEX[1]	.250"	.29	.25	.19
133591	RAF	2102-632A7[2]	.375"	.29	.25	.19
1582400	✦	6-32BHEXF[1]	.375"	.35	.29	.25
77543	RAF	2104-632AL7ℛ[2]	.500"	.29	.25	.19
393772	RAF	2104-632B12[5]	.500"	.69	.59	.35
77552	RAF	2106-632AL7ℛ[2]	.625"	.45	.39	.25
393781	RAF	2106-632B12[5]	.625"	.39	.35	.29
77570	RAF	2108-632AL7ℛ[2]	.750"	.45	.39	.25
393799	RAF	2108-632B12[5]	.750"	.45	.39	.35
77578	RAF	2112-632AL7ℛ[2]	1.00"	.49	.45	.29
1944388	✦	.250,6-32BHEX[1]	1.00"	.45	.39	.35
143407	RAF	2120-632A7[2]	1.50"	.59	.55	.39

✪ Blue Part No. = Limited Quantity Available

.250" Hex 6-32 Thread (Fig. 1) (Continued)

Part No.	*Mfr.	Product No.	Length of L	Pricing 1	10	100
393811	RAF	2120-632B12ℛ[5]	1.50"	$.75	$.69	$.65
143441	RAF	2124-632AL7ℛ[2]	1.75"	.79	.69	.55
387487	RAF	2136-632A7[2]	3.00"	2.35	2.09	1.89
387495	RAF	2140-632A7[2]	4.00"	2.49	2.25	1.95
387508	RAF	2144-632A7[2]	5.00"	2.79	2.49	2.25
387516	RAF	2148-632A7[2]	6.00"	3.19	2.85	2.55
387524	RAF	2152-632A7[2]	7.00"	3.49	3.15	2.85
387532	RAF	2156-632A7[2]	8.00"	3.49	3.15	2.85
387541	RAF	2160-632A7[2]	9.00"	3.49	3.15	2.85
387559	RAF	2164-632A7[2]	10.0"	3.95	3.55	3.19

.250" Hex 8-32 Thread (Fig. 1)

Part No.	*Mfr.	Product No.	Length of L	Pricing 1	10	100
387567	RAF	2100-832A7[2]	.250"	$.25	$.19	$.15
387575	RAF	2102-832A7[2]	.375"	.25	.19	.15
387591	RAF	2106-832A7[2]	.625"	.35	.29	.25
387604	RAF	2108-832A7[2]✪	.750"	.39	.35	.29
387639	RAF	2124-832A7[2]	1.75"	1.95	1.75	1.55
387655	RAF	2136-832A7[2]✪	3.00"	2.29	2.05	1.85
387663	RAF	2140-832A7[2]	4.00"	2.49	2.25	1.95
387671	RAF	2144-832A7[2]	5.00"	2.75	2.45	2.19
387680	RAF	2148-832A7[2]	6.00"	2.95	2.65	2.39
387698	RAF	2152-832A7[2]	7.00"	3.49	3.15	2.85
387701	RAF	2156-832A7[2]	8.00"	3.49	3.15	2.85
387719	RAF	2160-832A7[2]	9.00"	3.49	3.15	2.85
387727	RAF	2164-832A7[2]	10.0"	3.95	3.55	3.19

✪ Blue Part No. = Limited Quantity Available

.250" Hex 10-32 Thread (Fig. 1)

Part No.	*Mfr.	Product No.	Length of L	Pricing 1	10	100
387735	RAF	2100-1032A7[2]	.250"	$1.19	$1.05	$.95
387743	RAF	2102-1032A7[2]	.375"	1.19	1.05	.95
387778	RAF	2108-1032A7[2]	.750"	1.59	1.45	1.29
387807	RAF	2124-1032A7[2]	1.75"	1.95	1.75	1.59
387840	RAF	2144-1032A7[2]	5.00"	2.75	2.45	2.19
387858	RAF	2148-1032A7[2]	6.00"	2.95	2.65	2.39
387866	RAF	2152-1032A7[2]	7.00"	3.49	3.15	2.85
387874	RAF	2156-1032A7[2]	8.00"	3.49	3.15	2.85
387882	RAF	2160-1032A7[2]	9.00"	3.95	3.59	3.25
387891	RAF	2164-1032A7[2]	10.0"	3.95	3.55	3.19

Hex Male/Female Standoffs

.187" Hex 4-40 (Fig. 2) (A: .250"; B: .187")

Part Number	*Mfr.	Product No.	Length of L	Pricing 1	10	100
393458	RAF	4501-440AL7ℛ[2]	.250"	$.45	$.39	$.35
393466	RAF	4503-440AL7ℛ[2]	.375"	.35	.29	.25
393474	RAF	4505-440AL7ℛ[2]	.500"	.45	.39	.35
393491	RAF	4509-440AL7ℛ[2]	.750"	.39	.35	.29
393503	RAF	4513-440AL7ℛ[2]	1.00"	.49	.45	.35

.187" Hex 6-32 Thread (Fig. 2) (A: .375"; B: .250")

Part Number	*Mfr.	Product No.	Length of L	Pricing 1	10	100
393538	RAF	4501-632A7ℛ[2]✪	.250"	$.35	$.29	$.25
393546	RAF	4503-632AL7ℛ[2]	.375"	.35	.29	.25
393554	RAF	4505-632AL7ℛ[2]	.500"	.39	.35	.29
393571	RAF	4509-632AL7ℛ[2]	.750"	.39	.35	.29
393588	RAF	4513-632AL7[2]	1.00"	.45	.39	.29

✪ Blue Part No. = Limited Quantity Available

.250" Hex 4-40 Thread (Fig. 2) (A: .250"; B: .187")

Part Number	*Mfr.	Product No.	Length of L	Pricing 1	10	100
77586	RAF	4530-440AL7ℛ[2]	.250"	$.35	$.29	$.25
1582330	KEY	8713ℛ[5]	.250"	.55	.49	.35
77594	RAF	4532-440AL7ℛ[2]	.375"	.45	.35	.19
393845	RAF	4532-440-B-12Lℛ[5]	.375"	.49	.45	.39
111756	RAF	4534-440AL7ℛ[2]	.500"	.45	.39	.29
393852	RAF	4534-440B12[5]	.500"	.49	.45	.39
139214	RAF	4536-440AL7ℛ[2]	.625"	.45	.39	.29
139222	RAF	4538-440AL7ℛ[2]	.750"	.49	.45	.35
139231	RAF	4542-440AL7ℛ[2]	1.00"	.55	.49	.45
128566	RAF	4546-440AL7ℛ[2]	1.25"	.49	.45	.39
393895	RAF	4546-440B12[5]	1.25"	.85	.75	.65
166546	RAF	4550-440AL7ℛ[2]	1.50"	.75	.69	.59
393909	RAF	4550-440B12ℛ[5]	1.50"	.79	.69	.59
618020	✦	S440MF1.5[2]	1.50"	.25	.19	.15

.250" Hex 6-32 Thread (Fig. 2) (A: .375"; B: .250")

Part Number	*Mfr.	Product No.	Length of L	Pricing 1	10	100
133542	RAF	4530-632AL7ℛ[2]	.250"	$.45	$.39	$.25
2095103	✦	4530-632-BR7[3]	.250"	.39	.29	.19
133568	RAF	4532-632AL7ℛ[2]	.375"	.45	.39	.25
77607	RAF	4534-632AL7ℛ[2]	.500"	.45	.39	.25
77623	RAF	4538-632AL7ℛ[2]	.750"	.55	.49	.39
77650	RAF	4542-632AL7ℛ[2]	1.00"	.65	.59	.49
393959	RAF	4542-632B12[5]	1.00"	.55	.49	.45
206623	✦	SP14SS125[4]	1.25"	1.39	1.25	.95
393968	RAF	4546-632B12ℛ[5]	1.25"	.85	.75	.65

.250" Round Threaded Standoffs

★Web Code: TBQ

- Aluminum or Brass † Finish: Iridite (clear); [1] per MIL-C-5541-D; [2] brass (plain)

.250" Round 4-40 Thread Female

Part No.	*Mfr.	Metal†	Length	Pricing 1	10	100
1945102	✦	Alumℛ[1]	.250"	$.45	$.39	$.25
1944468	✦	Brass[2]	.250"	.29	.25	.19
1944530	✦	Alum[1]	.375"	.25	.19	.15
1944564	✦	Alum[1]	.500"	.35	.29	.25
1944476	✦	Brass[2]	.500"	.45	.39	.25
1945129	✦	Alumℛ[1]	.750"	.49	.45	.25
1944484	✦	Brass[2]	.750"	.65	.59	.39
1944599	✦	Alum[1]	1.00"	.55	.49	.39

.250" Round 6-32 Thread Female

Part Number	*Mfr.	Metal†	Length	Pricing 1	10	100
1944610	✦	Alum[1]	.250"	$.25	$.19	$.15
1944492	✦	Brass[2]	.250"	.29	.25	.19
1944628	✦	Alum[1]	.375"	.25	.19	.15
1944505	✦	Brass[2]	.375"	.29	.25	.19
1945145	✦	Alumℛ[1]	.500"	.39	.35	.29
1944521	✦	Brass[2]	.500"	.45	.39	.25
1944644	✦	Alum[1]	.750"	.45	.39	.25
1944652	✦	Alum[1]	1.00"	.59	.55	.35

* RAF = RAF Electronic Hardware | KEY = Keystone | ✦ Manufacturer Varies

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Spacers & Electronic Hardware Kit

Includes 2700 pcs. (27 types) Spacers, Nuts, Flat, Tooth & Lock Washers and Slotted Pan Head Screws SAVE $173

100 each Spacers	100 each Hex nuts	100 each Flat	100 each Int. tooth	100 each Split lock	100 each PH machine screws
—	2-56	#2	#2	#2	2-56 x 1/4, 1/2
4-40	4-40	#4	#4	#4	4-40 x 1/4, 1/2
6-32	6-32	#6	#6	#6	6-32 x 1/4, 1/2
8-32	8-32	#8	#8	#8	8-32 x 1/4, 1/2

Part No.	Description	Wt. (lbs.)	1	5
108433	2700 pcs. Hardware kit	7.5	$99.95	$89.95

Thumbscrews

★Web Code: VBZ

Aluminum ✪ Blue P/N = Limited Quantity

Fig. 1 393976

Fig. 2 394071

Part No.	Product No.	Fig.	Thread	Thread Length	Length	1	10	100
393976	7100-A ℛ	1	4-40	5/16"	5/8"	$.95	$.75	$.65
393992	7105-AL ℛ	1	6-32	1/2"	13/16"	.95	.75	.65
394004	7106-A ℛ	1	8-32	3/8"	11/16"	.95	.75	.65
394011	7107-A ✪	1	10-32	1/2"	13/16"	.95	.75	.65
394063	7125-A ℛ	2	6-32	3/8"	9/16"	.95	.75	.65
394071	7128-A	2	8-32	3/8"	9/16"	.95	.75	.65
394089	7135-A	2	10-32	1/2"	11/16"	.95	.75	.65

Aluminum & Brass Round Spacers

★Web Code: TBQ

- Finish: [1] = Aluminum iridite clear [2] = Brass zinc clear chromate
- ID (Internal Diameter): #4 = .115"; #6 = .140"

✪ Blue P/N = Limited Quantity Available

3/16" Outer Diameter

Part No.	Product No.	Length	ID	1	10	100
392956	1107-4-B-12[2]	1/8"	#4	$.35	$.29	$.25
392964	1108-4-B-12[2]	3/16"	#4	.35	.29	.25
392972	1109-4-B-12[2]	1/4"	#4	.35	.29	.25
392981	1110-4-B-12[2]	5/16"	#4	.35	.29	.25
392893	1111-4-AL-7 ℛ[1]	3/8"	#4	.29	.25	.19
392999	1111-4-B-12[2]	3/8"	#4	.35	.29	.25
393001	1112-4-B-12[2]	7/16"	#4	.39	.35	.29
393019	1113-4-B-12[2]	1/2"	#4	.39	.35	.29
393027	1115-4-B-12[2]	5/8"	#4	.45	.39	.35
392930	1116-4-A-7[1]	11/16"	#4	.39	.35	.29
393035	1116-4-B-12[2]	11/16"	#4	.45	.39	.35
393043	1117-4-B-12[2]	3/4"	#4	.45	.39	.35

1/4" Outer Diameter

✳ Order in multiples of 10

Part No.	Product No.	Length	ID	1	10	100
393158	1122-4-B-12[2]	1/8"	#4	$.25	$.19	$.15
393352	1122-6-B-12 ℛ[2] ✪	1/8"	#6	✳	.19	.15

1/4" Outer Diameter (Continued)

Part No.	Product No.	Length	ID	1	10	100
393061	1123-4-AL-7 ℛ[1]	3/16"	#4	$.25	$.19	$.15
393166	1123-4-B-12[2]	3/16"	#4	.25	.19	.15
393369	1123-6-B-12[2]	3/16"	#6	.25	.19	.15
393272	1124-6-AL-7 ℛ[1]	1/4"	#6	.25	.19	.15
393377	1124-6-B-12[2]	1/4"	#6	.25	.19	.15
393086	1125-4-A-7[1]	5/16"	#4	.25	.19	.15
393182	1125-4-B-12[2]	5/16"	#4	.25	.19	.15
393290	1125-6-AL-7 ℛ[1]	5/16"	#6	.25	.19	.15
393385	1125-6-B-12[2]	5/16"	#6	.25	.19	.15
393095	1126-4-A-7 ℛ[1]	3/8"	#4	.25	.19	.15
393191	1126-4-B-12[2]	3/8"	#4	.25	.19	.15
393297	1126-6-A-7[1]	3/8"	#6	.29	.25	.19
393393	1126-6-B-12[2]	3/8"	#6	.25	.19	.15
393203	1127-4-B-12[2]	7/16"	#4	.25	.19	.15
393300	1127-6-A-7[1]	7/16"	#6	.25	.19	.15

1/4" Outer Diameter (Continued)

Part No.	Product No.	Length	ID	1	10	100
393406	1127-6-B-12[2]	7/16"	#6	$.29	$.25	$.19
393115	1128-4-A-7[1]	1/2"	#4	.39	.35	.29
393211	1128-4-B-12[2]	1/2"	#4	.29	.25	.19
393319	1128-6-A-7 ℛ[1]	1/2"	#6	.35	.29	.25
393414	1128-6-B-12[2]	1/2"	#6	.29	.25	.19
393123	1133-4-A-7[1]	13/16"	#4	.29	.25	.19
393220	1133-4-B-12[2]	13/16"	#4	.35	.29	.25
393326	1133-6-A-7[1]	13/16"	#6	.29	.25	.19
393422	1133-6-B-12[2]	13/16"	#6	.35	.29	.25
393131	1134-4-A-7[1]	7/8"	#4	.29	.25	.19
393238	1134-4-B-12[2]	7/8"	#4	.39	.35	.29
393335	1134-6-A-7 ℛ[1]	7/8"	#6	.29	.25	.19
393431	1134-6-B-12[2]	7/8"	#6	.45	.39	.35
393140	1136-4-A-7[1]	1.0"	#4	.29	.25	.19
393246	1136-4-B-12[2]	1.0"	#4	.45	.39	.35
393449	1136-6-B-12[2]	1.0"	#6	.45	.39	.35

1.5VDC – 24VDC Motors

JAMECO ReliaPro

JOHNSON ELECTRIC

MABUCHI MOTOR

star motor

★Web Code: FBN

Part No.	Manufacturer	Product No.	Fig.	Nominal Voltage (VDC)	Voltage Range (VDC)	@ Maximum Efficiency Current (Amps)	Speed (RPM)	Torque (g-cm)	Efficiency	Terminal Type	Shaft Dia. (ins.)	Shaft Length (ins.)	Size (ins.) (Dia. x Depth)	Pricing 1	10	100
231917	ReliaPro	FE-260-2670	10	1.5	1.5-3	0.66	3700	10.5	42.9	0.12"/solder	0.078	0.314	0.937 x 1.063	$1.25	$1.09	$.99
238465	ReliaPro	RF-310TA-11400 (CW)	14	2.5	1-6	0.06	2190	3.3	75.0	0.05"/solder	0.078	0.70	0.962 x 0.712	2.95	2.65	2.39
238458	ReliaPro	RF-300CA-11400 (CW) ℛ	15	3	1-6	0.065	2400	4.3	56.4	3" wires	0.078	0.19	0.96 x 0.491	3.95	3.49	2.95
1950930	ReliaPro	RF-300CA-11400-.22 ℛ	15	3	1.2-6	0.073	2970	3.8	55.0	3" wires	0.078	0.22	0.96 x 0.489	3.95	3.49	2.95
154915	Star Motor	ST130-12240-38	2	3	1.5-3	0.17	3588	7.4	55.0	0.09"/solder	0.08	0.37	0.79 x 1.13	1.45	1.29	1.15
1939589	Mabuchi Motor	FF-130RH-15210	1	3	1-4	0.17	4280	5.8	50.0	0.08"/solder	0.08	0.24/0.21	0.79 x 0.98	.95	.85	.75
1951449	ReliaPro	QJT-260-18130	10	3	1.5-4.5	0.46	4780	10.0	40.0	0.12"/solder	0.078	0.314	0.944 x 1.071	1.55	1.39	1.25
231925	ReliaPro	FE-260-2295	10	3	1.5-4.5	0.63	6850	14	53.9	0.12"/solder	0.078	0.314	0.937 x 1.063	1.55	1.39	1.25
154923	Star Motor	ST-130-22770	2	3	1.5-3	1.150	12500	10.3	40.0	0.09"/solder	0.08	0.37	0.79 x 1.13	1.45	1.29	1.15
2078231	Sun Motor	18-2760	3	3	1.5-3	0.35	13800	18.5	—	0.11"/solder	0.08	0.25	0.93 x 1.07	.99	.79	.59
211246	Mabuchi Motor	RC-260RA-2670	3	4.5	3-4.5	1.430	15290	21.8	53.0	0.11"/solder	0.08	0.28	0.93 x 1.06	1.25	1.09	.95
238511	Mabuchi Motor	RF-500TB-12560	16	6	1.5-12	0.08	2180	11.6	50.6	0.08"/solder	0.078	0.385	1.259 x 0.767	3.95	3.49	2.75
231829	ReliaPro	PC-280-16210	19	6	3-12	0.28	4260	18	47.6	0.08"/solder	0.078	0.433	0.944 x 1.200	2.49	2.25	1.95
231781	ReliaPro	PC-130F-12240	11	6	3-9	0.25	6800	7	33.4	0.08"/solder	0.078	0.377	0.803 x 0.984	1.95	1.75	1.59
232144	ReliaPro	FF-050S-11170 ℛ	12	7	1.5-9	0.17	8500	7	51.3	0.08"/solder	0.059	0.433	0.61 x 1.059	2.95	2.65	2.39
177498	Mabuchi Motor	RC280RA-2485 ℛ	4	7.2	3-14	1.180	14260	33.3	57.0	0.11"/solder	0.08	0.43	0.95 x 1.20	2.25	1.95	1.75
2095533	Mabuchi Motor	RK-270SH-16175	21	9	4.5-18	0.370	6320	32.5	—	0.08"/solder	0.08	0.344	0.96 x 1.21	2.49	2.25	1.95
231802	ReliaPro	PC-130F-10370	11	9	6-12	0.15	6410	8.5	43.9	0.08"/solder	0.078	0.377	0.803 x 0.984	1.95	1.75	1.59
1955669	Canon	DN26-T41NIB	8	12	4-12	0.25	2200	34.33	—	0.11/solder	0.08	0.30	1.01 x 1.00	1.19	.99	.79

Continued on next page

JAMECO ReliaPro

1.5VDC – 24VDC Motors (Continued)

See pg 107 for figures

★Web Code: FBN

Part No.	Manufacturer	Product No.	Fig.	Nominal Voltage (VDC)	Voltage Range (VDC)	@ Maximum Efficiency Current (Amps)	Speed (RPM)	Torque (g-cm)	Efficiency	Terminal Type	Shaft Dia. (ins.)	Shaft Length (ins.)	Size (ins.) (Dia. x Depth)	Pricing 1	10	100
174693	Johnson Electric	21226-384221ℛ	5	12	9-14	0.015	3000	85.06	—	0.11"/solder	0.08	0.69	0.97 x 1.19	$2.95	$2.65	$2.39
232013	ReliaPro	MD5-12160ℛ	13	12	12-24	0.30	4000	34.3	39.1	0.12"/solder	0.091	0.622	1.082 x 1.279	2.25	1.95	1.75
231732	ReliaPro	PC-130SF-09480ℛ	11	12	6-24	0.11	4800	12.3	49.6	0.08"/solder	0.078	0.377	0.803 x 0.984	2.35	2.09	1.85
238473	ReliaPro	RF-370CA-15370	17	12	3-12	0.17	4840	187	75.0	0.08"/solder	0.078	0.346	0.960 x 1.213	5.45	4.95	4.25
206949	Nichibo	QJT360S14280	6	12	9-30	0.35	4930	44.5	52.0	0.11"/solder	0.09	0.45	1.09 x 1.30	2.95	2.75	2.25
667411	ReliaPro	HRF-370CA-12V	7	12	6-15	0.13	5100	20.0	64.0	0.08"/quick conn.	0.08	0.523	0.960 x 1.20	1.55	1.39	1.25
231750	ReliaPro	PC-130SF-09400ℛ	11	12	6-24	0.15	5130	14.3	42.5	0.08"/solder	0.078	0.377	0.803 x 0.984	1.75	1.59	1.39
2081908	Mabuchi Motor	FK260SA-10400	1	12	0-15	0.13	5330	16.33	58.4	0.08/solder	0.08	0.474	0.952 x 1.06	1.49	1.35	1.19
231896	ReliaPro	FE-260-08450	10	12	6-12	0.11	5560	10.3	46.6	0.12"/solder	0.078	0.314	0.937 x 1.063	1.29	1.15	.99
232005	ReliaPro	UC-280S-19160ℛ	11	12	6-12	0.57	9000	46.6	63.4	0.08"/solder	0.078	0.433	0.944 x 1.200	2.55	2.29	1.95
1586031	Mabuchi Motor	FK-260SA	1	12	12-24	0.027	5800	14.8	55.0	0.08"/solder	0.08	0.42	0.96 x 1.06	1.25	1.09	.95
2081895	Mabuchi Motor	FC-280ST-18180	1	12	8-15	0.69	7880	54.3	59.08	Wire push-in	0.08	0.45	0.945 x 1.32	1.49	1.25	.99
1810099	Mabuchi Motor	FK-260SA (14280)	1	12	12-24	0.063	8600	14.8	55.0	0.08"/solder	0.08	0.43	0.96 x 1.06	.99	.89	.79
1586058	Mabuchi Motor	FK130RH-10450	8	12	6-18	0.036	9750	8.9	45.0	0.08"/solder	0.08	0.31	0.80 x 0.99	1.25	1.09	.95
232040	ReliaPro	MD5-2070ℛ	13	12	6-12	1.20	12150	62.2	54.1	0.12"/solder	0.091	0.622	1.082 x 1.279	2.25	1.95	1.75
232022	ReliaPro	MD5-1885ℛ	13	12	6-18	0.74	9820	53.5	60.7	0.11"/solder	0.091	0.622	1.082 x 1.279	2.95	2.65	2.29
1708351	Nichibo	KD35FN-6531FB	4	12	9-15	1.1	13500	2259	43.0	0.15"/quick conn.	0.128	0.643	15.0 x 2.4	2.95	2.65	2.25
232047	ReliaPro	MD5-2445	13	12	6-12	2.05	19850	79.7	66.0	0.12"/solder	0.091	0.622	1.082 x 1.279	2.55	2.29	1.95
2082177	Johnson Electric	H615-66430	9	13.5	5.0-13.5	1.44	18300	40.6	68.4	0.11"/solder	0.124	0.75	1.4 x 2.23	2.95	2.65	2.39
2082185	Johnson Electric	H615-65050	9	13.6	5.0-13.6	1.44	4575	99.2	—	0.11"/solder	0.124	0.65	1.4 x 1.96	2.49	2.25	1.95
137412	Johnson Electric	3E3151A3	4	14.4	—	1.84	22300	70.8	76.0	20" wires	0.125	0.35	1.40 x 1.96	2.25	1.95	1.75
232101	ReliaPro	MD5-1980AS-AA	20	24	12-24	1.43	22600	88.5	60.9	0.24"/solder	0.091	0.512	1.083 x 1.279	3.95	3.55	2.95
1586023	Mabuchi Motor	RK370C	5	24	12-30	0.15	3850	19.3	60.0	0.08"/solder	0.08	0.67	0.96 x 1.21	1.75	1.49	1.19
1586040	Mabuchi Motor	RS365PH-112240	9	24	9-28	0.07	10700	411	62.5	0.11"/solder	0.09	0.49	1.08 x 1.28	2.95	2.65	2.39
137614	Johnson Electric	684823A	4	24	—	0.10	2300	78	61.0	0.8"/quick conn.	0.125	0.53	1.40 x 1.96	2.25	1.95	1.75

Hi-Torque

237391	ReliaPro	29SYT003	18	13.5	13.5	13	18000	509	—	Quick connect	0.125	1.003	1.141 x 2.283	$6.25	$5.59	$4.95

JAMECO ReliaPro

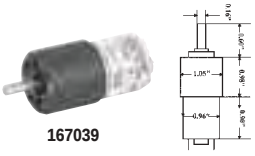
6, 12 & 24VDC Reversible Gear Head Motors

★Web Code: KBB

- Solder-type terminal
- High torque construction
- Dielectric strength: 300VDC
- Insulation resistance: 10MΩ
- Oil bearing design for long service life

HN27GD Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Length (ins.)	Motor Size Dia. x Depth (ins.)	Shaft Size Dia. x Length (ins.)	Pricing 1	5	25
167039	GH12-0953Yℛ	12	4.5 – 24	90	9	1200	188:1	1.0 x 0.9	1.1 x 1.0	.16 x .60	$18.95	$16.95	$15.25
249480	GH12-1213Y7-0	12	4.5 – 24	51	90	460	70:1	0.3 x 0.6	1.0 x 0.9	.16 x .60	19.95	18.95	17.95
167047	GH12-1828Yℛ	12	4.5 – 24	195	31	1300	90:1	1.1 x 1.3	1.1 x 0.8	.16 x .60	23.95	21.55	19.45



167039

HN27GD Series

JAMECO EXCLUSIVE

GH30GM Series

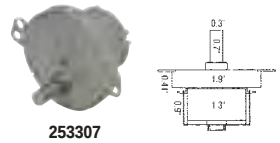
Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Length (ins.)	Motor Size Dia. x Depth (ins.)	Shaft Size Dia. x Length (ins.)	Pricing 1	5	25
153438	GH12-1045Yℛ	12	3.0 – 12	90	13	800	200:1	0.9 x 1.0	1.1 x 0.6	.16 x .70	$18.95	$16.95	$15.25
170642	GH12-1828Y-10ℛ	12	6.0 – 24	105	8	3500	332:1	1.2 x 1.2	1.2 x 0.9	.16 x .70	26.95	24.25	21.95
159418	GH12-1921Yℛ	12	4.5 – 12	200	25	2000	132:1	1.2 x 1.2	1.2 x 0.9	.16 x .70	25.95	23.25	20.95
162191	GH12-1324Y225ℛ	12	4.5 – 12	145	190	300	30:1	1.0 x 0.9	1.1 x 0.6	.16 x .70	17.95	15.95	14.35

159418

GH30GM Series

32GM Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	@ Maximum Efficiency Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Height (ins.)	Motor Size Dia. x Depth (ins.)	Shaft Size Dia. x Length (ins.)	Pricing 1	5	25
253403	32-009	6	64	2.7	2500	450:1	1.9 x 0.41	1.3 x 0.9	.30 x .70	$19.95	$17.95	$15.95
253323	32-004	6	44	6	1500	200:1	1.9 x 0.41	1.3 x 0.9	.30 x .70	14.95	13.49	11.95
253307	32-002	6	38	8	1200	150:1	1.9 x 0.41	1.3 x 0.9	.30 x .70	19.95	17.95	15.95

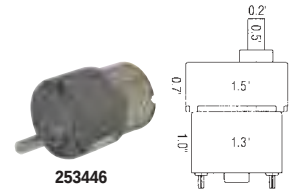


253307

32GM Series

38GM Series

253534	38-010	12	97	24	7500	250:1	1.5 x 0.7	1.3 x 1.0	.20 x .50	$21.95	$19.75	$17.75
253526	38-009	12	93.5	36	5400	167:1	1.5 x 0.7	1.3 x 1.0	.20 x .50	18.95	16.95	15.35
253518	38-008	12	87.5	40	4800	150:1	1.5 x 0.7	1.3 x 0.1	.20 x .50	18.95	16.95	15.35
253500	38-007	12	82	60	3200	100:1	1.5 x 0.7	1.3 x 1.0	.20 x .50	19.95	17.95	15.95
253497	38-006	12	80	66	2100	90:1	1.5 x 0.7	1.3 x 1.0	.20 x .50	19.95	17.95	15.95
253489	38-005	12	76	110	1300	56:1	1.5 x 0.7	1.3 x 1.0	.20 x .50	18.95	16.95	15.35
253471	38-004	12	74	120	1100	50:1	1.5 x 0.7	1.3 x 1.0	.20 x .50	14.95	13.45	11.95
253446	38-001	12	61.8	600	350	10:1	1.5 x 0.7	1.3 x 1.0	.20 x .50	21.95	19.75	17.75



253446

38GM Series

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

JAMECO ReliaPro

6, 12 & 24VDC Reversible Gear Head Motors (Continued)

★Web Code: KBB

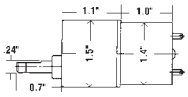
GH35GM Series Plastic Gears

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Length (ins.)	Motor Size Dia. x Depth (ins.)	Shaft Size Dia. x Length (ins.)	Pricing 1	5	25
155012	GH12-1926R	12	4.5 – 12	250	2	6000	3000:1	1.3 x 0.9	1.5 x 1.1	.23 x .90	$21.95	$19.75	$17.75
155821	GH12-1830Y-PR	12	4.5 – 12	220	4.5	4500	1000:1	1.3 x 0.9	1.5 x 1.0	.23 x .90	22.95	20.65	18.55
155839	GH12-1641T-LR	12	3.0 – 12	250	20	3000	270:1	1.3 x 0.9	1.5 x 0.8	.23 x .90	25.95	23.35	20.95
152911	GH12-1926YR	12	4.5 – 12	172	35	2370	100:1	1.3 x 1.0	1.5 x 0.7	.24 x .90	24.95	22.45	19.95
155855	GH12-1641T-FR	12	3.0 – 12	250	71	1000	60:1	1.3 x 0.9	1.4 x 0.9	.23 x .90	24.95	22.45	19.95
151441	GH12-1632TIR	12	4.5 – 12	275	57	2200	100:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	21.95	19.75	17.75
155863	GH12-1926Y-FR	12	4.5 – 12	300	70	1000	60:1	1.3 x 0.9	1.4 x 0.9	.23 x .90	24.95	22.45	19.95
161374	GH12-1345TR	12	4.5 – 12	185	116	650	30:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	23.95	21.55	19.45
161382	GH12-1634TR	12	4.5 – 12	293	145	850	30:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	21.95	19.75	17.75
164786	GH12-1640YR	12	4.5 – 24	120	220	180	10:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	28.95	25.95	22.95
176050	GH12-1640Y00R	24	12 – 24	340	1.8	6000	3000:1	1.3 x 0.9	1.5 x 1.1	.23 x .90	22.95	20.49	18.49
11799	CB5M-24R	24	6 – 24	110	14.6	1800	—	1.3 x 1.0	1.4 x 1.1	.196 x .375	11.95	10.75	9.49
176032	GH24-1640Y06R	24	12 – 24	340	50	2000	90:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	24.95	22.45	19.95
176023	GH24-1640Y19R	24	12 – 24	340	148	1000	30:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	24.95	22.45	19.95

GH35GM Series Metal Gears

155013	HN-GH12-1632T-R-M	12	4.5 – 12	250	2	6000	3000:1	1.3 x 0.9	1.5 x 1.1	.23 x .90	$21.95	$19.75	$17.75
155822	GH12-1830Y-P-R-M	12	4.5 – 12	250	4.5	4500	1000:1	1.3 x 0.9	1.5 x 1.0	.23 x .90	22.95	20.65	18.55
151442	HN-GH12-1632T-R-M	12	4.5 – 12	275	57	2200	100:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	21.95	19.75	17.75

155012



155013

NEW MARKED IN PINK

GH35GM Series

120VAC Gear Motor

★Web Code: KBB

6.0 RPM - 2.9 Watt

- Operating voltage: 120VAC @ 60Hz
- Shaft dia./length: 0.27" x 0.65"
- Connector: 12" wires
- Torque: >3.6 kg-cm
- Screw down tabs for mounting (2.3" diagonal mounting hole space)
- Typical applications: air conditioner turnleaf motor, microwave turnplate motor

Part No.	Product No.	Size	1	5	25
213488	SOTYZ-R R	2.0"D x 1.0"T	$14.95	$13.45	$11.95

Gear Head Motor

- Current @ 6V: 57mA
- Stall current @ 6V: 633mA
- Stall torque @ 6V: 59.26 in oz.
- Gear ratio: 143:1
- RPM @ 6V:80
- Size: 2.2 "L x 1.9"W x 0.9"H

Part No.	Product No.	1	5	25
400995	GM8	$8.75	$7.75	$6.95

JAMECO ReliaPro

1.3VDC & 3VDC Vibrating Motors

JAMECO EXCLUSIVE

★Web Code: NBC

- Typical applications: cellular phones, pagers and toys

Fig. 1

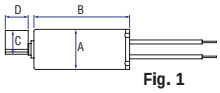


Fig. 1

Fig. 2

Fig. 3

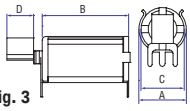


Fig. 3

Fig. 4

Part No.	Cross Ref. No.	Fig.	Operating Voltage (VDC @ mA)	Operating Range (VDC)	Rated RPM @ VDC	Lead Length (ins.)	Motor Size (A x B) (Dia." x Depth")	Shaft Size (C x D) (Dia." x Length")	Pricing 1	10	100
175062	OTL-7AL	1	1.3 @ 62	0.70 - 1.60	7000 @ 1.3	0.7	0.28 x 0.67	0.10 x 0.18	$4.55	$3.95	$3.69
256357	7ZK642R	2	1.3 @ 70	1.00 - 1.60	7500 @ 1.3	4.7	0.28 x 0.66	0.18 x 0.22	3.49	2.95	2.65
175396	OTL-4AL	4	1.3 @ 65	0.70 - 1.60	8500 @ 1.3	0.75	0.16 x 0.55	0.15 x 0.23	4.75	4.25	3.85
256306	6ZK003R	2	1.3 @ 80	0.85 - 1.60	8500 @ 1.3	1.0	0.23 x 0.39	0.10 x 0.10	3.35	2.95	2.65
256322	6ZK211R	3	1.3 @ 80	0.80 - 1.60	8500 @ 1.3	PC terminal	0.27 x 0.48	0.11 x 0.11	2.75	2.49	2.25
256365	7ZK692R	2	3.0 @ 60	2.40 - 3.00	6500 @ 3.0	4.7	0.28 x 0.66	0.18 x 0.22	4.65	4.19	3.75
256382	7ZK681R	2	3.0 @ 60	2.40 - 3.60	7500 @ 3.0	1.1	0.28 x 0.66	0.12 x 0.16	4.65	4.19	3.75
256314	6ZK053R	2	3.0 @ 75	1.60 - 3.60	8500 @ 3.0	1.0	0.23 x 0.39	0.10 x 0.10	3.25	2.95	2.65
256331	6ZK261R	3	3.0 @ 75	2.40 - 3.00	8500 @ 3.0	PC terminal	0.27 x 0.48	0.11 x 0.11	3.25	2.95	2.65

Multi-Stepper Motor Control Board

★Web Code: VBA

- Current-mode coil driver up to 2A/45V
- 11 analog channels, A/D converter, 12-bit resolution
- 24-bit position register; can be read while motor is moving
- High-speed serial communication interface 9.6kbps-230.4kbps
- Linear acceleration/deceleration capability up to 8500 step/sec.
- Full step (monophasic and biphasic), half step and external driver modes
- Simultaneous/independent control of up to 16 stepper motors through a single serial port
- 26 digital I/O and two SPI interfaces for control of external devices
- Size: 7.7"L x 5.0"W x 1.0"W

Shown w/ motors – not included

RMV

Part No.	Product No.	1	5
168729	ST400NT-R10R	$399.95	$379.95

Sport232-ST One Axis Stepper Motor Controller & DAC Board

- Shaft encoder capabilities for close loop applications
- Home, limit CW/CCW, abort, pulse and direction output signals
- 4-channels with signal conditioning 0 to 2.5V, 0 to 10V
- Linear acceleration/deceleration, profile movements through 128 bytes internal FIFO
- Full, half steps (monophasic, bi-phasic)
- 8 digital I/I and 8 analog inputs w/ 12-bit resolution
- Free 32-bit DLL for Windows 9x/NT/2000/XP, Linux and Labview

RMV

Part No.	Product No.	1	5
355047	Sport232-ST	$164.95	$156.75

32-Bit Stepper Motor Controller

One Axis

- Controls one bipolar stepper motor with 32-bit absolute position
- Multiple boards may share same serial line (RS485 only)
- Full, half or wave step modes
- 2 channel general purpose 8-bit A/D input port for reading 0 to 5V
- Interface to PC through RS232 or RS485 @ 2400-19,200bps
- Size: 4.4"L x 2.3"H
- 4-bit digital input for home limits
- Addressable up to 255 boards
- Weight: 0.7 lbs.

Includes: Manual and sample code software

PONTECH

Part No.	Product No.	1	5
153621	STP-100	$149.95	$134.95

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

KAE

Industrial Motion Controllers for Brush, Brushless & Stepper Motors

★Web Code: QBV

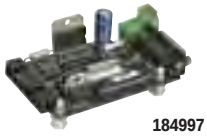
323942: • For brush-type DC motors with 2 or 3 channel incremental encoders
- P.I.D. Servo control, trapezoidal position profiling, velocity mode, 32-bit resolution
- Integrated 12 to 48VDC supply power amplifier @ 3A continuous, 6A peak
- Limit switch inputs, general purpose analog input, PWM, DIR output for use with external amps

323951: • For 3-phase brushless motors with hall effect sensors or conventional DC brush-type motors
- Amplifier capable of driving 6A continuously @ up to 48VDC
- High current amplifier: 7A continuous, 10A peak, 12 to 48VDC supply
- Support for linear & circular interpolation using the PIC-SERVO CMC chipset

184997: • Trapezoidal position profiling, velocity mode, up to 50,000 steps per second
- Full/half step bipolar chopper drive, 2A per phase, 7.5 to 46VDC supply
- Integrated indexer and driver for 2 or 4 phase stepper motors

323942

323951


184997

Part No.	Manufacturer P/N	Description	Size (L x W x H)	1	5
323942	KAE-T0V10-BDV1	PIC-SERVO motor control board	3.1" x 2.1" x 0.9"	$159.95	$151.95
323951	KAE-T0V10-BD3PHV1	PIC-SERVO 3-phase motor control board for brush or brushless motors	3.1" x 3.1" x 0.9"	239.95	227.95
184997	PIC-STEP	PIC-STEP motor control board	3.1" x 2.1" x 0.9"	159.95	151.95

JAMECO ReliaPro

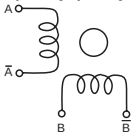
Bipolar & Unipolar Stepper Motors

★Web Code: UBN

Jameco offers the industry's widest variety of off-the-shelf two-phase bipolar and four-phase unipolar stepper motors for your precision applications. Be sure to check out the wide selection of 2 to 24 VDC models below.

- Ball bearings
- Dielectric strength: 500V, 50Hz/minute
- Insulation resistance: 100MΩ @ 500VDC
- 18" lead wires
- Ambient temp.: -10°C to +55°C
- Use P/N 161998, pg 186, for shaft coupler

Bipolar (2-phase)



Unipolar (4-phase)

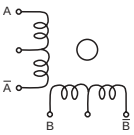


Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7

Fig. 8

Fig. 9

Fig. 10

Fig. 11

Part No.	*Mfr.	Cross Ref. No.	Fig.	Drive System	Voltage (VDC)	Step Angle	Phase Resis. (Ohms)	Curr. (mA)	Phase Inductance (mH)	Detent Torque (g-cm)	Holding Torque (g-cm)	Mounting Hole Space Diagonal (ins.)	Mounting Holes (ins.)	Shaft Dia. (ins.)	Shaft Length (ins.)	Motor Dia. (ins.)	Motor Depth (ins.)	Wt. (lbs.)	Pricing 1	Pricing 5	Pricing 25
237569	JRP	57BYG009	3	Unipolar	2.4	1.8	1	2400	1.5	—	5914	1.86	0.20	0.25	0.83	2.29	2.20	1.40	$24.95	$22.49	$19.95
237614	JRP	57BYGH801	4	Unipolar	3.3	1.8	2.2	1500	22	—	5608	1.86	0.20	0.25	0.83	2.24	2.01	1.32	31.95	28.95	25.95
237535	JRP	42BYGH102℞	5	Unipolar	3.6	1.8	3	1200	3.2	220	3000	1.22	0.10	0.20	0.95	1.67	1.57	0.50	17.95	15.95	14.25
1581231	ORM	PX243M-01AA	1	Unipolar	4	0.9	8.4	670	10	—	793	1.79	0.08	0.195	0.88	1.67	1.27	0.46	9.95	8.95	7.95
237552	JRP	57BYG008℞	3	Unipolar	4	1.8	3.1	1300	4.4	—	4996	1.86	0.20	0.25	0.83	2.29	2.01	1.30	31.95	28.95	25.95
237623	JRP	57BYGH802℞	4	Unipolar	4.8	1.8	3.2	1500	2.9	—	8157	1.86	0.20	0.25	0.83	2.24	2.20	1.54	36.95	33.25	29.95
237607	JRP	57BYGH001℞	4	Unipolar	5	1.8	5	1000	—	—	3976	1.86	0.20	0.25	0.83	2.24	1.61	1.10	36.95	33.25	29.95
237825	JRP	25BY4801	6	Unipolar	5	7.5	10	500	—	45	110	1.38	0.14	0.08	0.35	0.98	0.56	0.07	9.95	8.95	7.95
223870	JRP	57BYG070	3	Unipolar	5.4	1.8	3.6	1500	6	977	8974	2.65	0.20	0.25	0.80	2.20	2.20	2.00	29.95	26.95	24.25
237631	JRP	57BYGH803	4	Unipolar	6.3	1.8	4.2	1500	—	—	14276	1.86	0.20	0.25	0.83	2.24	2.99	2.43	59.95	53.95	48.95
171601	✦	PF35T48L4*	10	Unipolar	7	7.5	20	350	9	40	680	1.68	0.14	0.078	0.47	1.38	0.58	0.15	2.95	1.95	1.75
172646	JRP	42BYG205	3	Unipolar	9.6	1.8	75	480	15	220	2300	1.73	0.10	0.20	0.90	1.70	1.40	0.50	19.95	17.95	15.95
224022	JRP	42BYG016℞	2	Unipolar	12	1.8	75	160	40	150	900	1.73	0.10	0.20	0.70	1.70	1.30	0.50	21.95	19.75	17.75
155433	JRP	42BYG228℞	2	Unipolar	12	1.8	30	400	23	220	2000	1.73	0.10	0.20	0.90	1.70	1.50	0.50	20.95	18.95	16.95
237543	JRP	57BYG007℞	3	Unipolar	12	1.8	32	380	30	—	2957	1.86	0.20	0.25	0.83	2.29	1.61	1.00	24.95	22.49	19.95
238538	JRP	42BYGH404℞	5	Unipolar	12	1.8	30	400	25	250	3200	1.22	0.10	0.20	0.95	1.67	1.89	0.60	21.95	19.75	17.75
162027	JRP	57BYG084℞	3	Unipolar	12	1.8	20	600	22	725	6000	2.65	0.20	0.25	1.00	2.20	2.00	1.30	35.95	32.25	28.95
237876	JRP	25BY4809	6	Unipolar	20	7.5	50	400	16	45	155	1.42	0.35	0.08	0.22	0.98	0.87	0.10	5.49	4.95	4.49
238115	JRP	35BY48B08	7	Unipolar	24	7.5	75	320	38	65	270	1.65	0.13	0.08	0.35	1.38	0.59	0.15	8.49	7.49	6.75
237729	JRP	42BY48H07	11	Unipolar	24	7.5	85	280	78	130	780	1.95	0.14	0.12	0.39	1.65	0.87	0.27	7.49	6.75	5.95
237497	JRP	39BYG101-01	2	Bipolar	2.7	1.8	6.8	400	6.5	150	650	1.22	0.10	0.20	0.75	1.54	0.79	0.26	16.95	15.25	13.75
237593	JRP	85BYGH450	4	Bipolar	4.4	1.8	2.2	2000	—	—	21414	2.76	0.26	0.51	1.38	3.35	2.95	4.90	109.95	99.95	89.95
237490	JRP	39BYG001℞	2	Bipolar	5	1.8	5	1000	—	150	1800	1.22	0.10	0.20	0.91	1.54	1.34	0.44	19.95	17.95	15.95
237578	JRP	57BYG061℞	3	Bipolar	6	1.8	12	500	24	—	3569	1.86	0.20	0.25	0.83	2.29	1.61	1.00	37.95	33.95	30.75
237519	JRP	42BYG017℞	2	Bipolar	6.3	1.8	15	420	16	150	1400	1.22	0.10	0.20	0.51	1.67	1.34	0.50	19.95	17.95	15.95
237454	JRP	39BYG201℞	2	Bipolar	9.6	1.8	20	480	—	200	1000	1.22	0.10	0.20	0.20	1.54	0.98	0.44	19.95	17.95	15.95
395567	JRP	42BYG022-40	2	Bipolar	9.6	1.8	100	240	46	—	1100	1.7	0.90	0.20	0.26	1.67	1.29	0.43	12.95	11.49	9.95
155460	JRP	42BYG023℞**	2	Bipolar	12	1.8	30	400	36	220	2100	1.73	0.10	0.20	0.60	1.70	1.30	0.50	20.95	18.95	17.45
237472	JRP	39BYG401A℞	2	Bipolar	12	1.8	30	400	32	200	2100	1.22	0.10	0.20	0.95	1.54	1.34	0.44	21.95	19.75	17.75
237818	JRP	25BY2414℞	6	Bipolar	12	15	27	440	15.5	48	140	1.26	0.11	0.08	0.37	0.98	0.59	0.08	5.95	5.25	4.75
1585653	JPN	KP35FM2-044	9	Bipolar	24	1.8	8	500	7.8	90	700	1.45	0.09	0.197	0.90	1.62	1.05	0.32	5.95	5.35	4.85

* **171601:** Dual shaft with 10 tooth gear ** **155460:** Dual shaft

* JRP = Jameco ReliaPro | JPN = Japan Servo | ORM = Orient Motor | ✦ Manufacturer Varies

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Scott Edwards Electronics, Inc.

Serial Servo Controller Module

- Controls 8 pulse-proportional servos
- Receives serially at 2400 or 9600 baud
- Module is addressable, allowing two units to share the same line to control a total of 16 servo
- Connections to serial input can be established using a modular jack (P/N 115554, pg 61) or modular adapter from DB9 to RJ11 (P/N 114738, pg 61)
- Size (PCB): 1.9"L x 1.4"W
- One-year warranty

Part No.	Description	1	5
151001	Mini SSC II	$43.95	$41.75

PARALLAX

Futaba Continuous Rotation Servo

Recommended for robotics projects and includes an adjustable potentiometer to center the servo. This can be controlled directly from a BASIC Stamp I/O pin.

- Power: 6VDC max.
- Average speed: 60RPM
- Torque: 3.40kg-cm
- Manual adjustment port

Part No.	Parallax No.	1	10
283039	900-00008	$14.95	$13.49

Servo Motors and Accessories

- + pulse width 1500usec neutral control system
- Operating voltage range: 4.8V to 6V

Motors

HITEC

Part No.	Product No.	Oper. Speed (4.8V @ no load)	Stall Torque @ 4.8V (kg.cm)	Direction	Operating Angle	Current Drain (mA, idle/ mA no load)	Dimensions (L" x W" x H")	Pricing 1	Pricing 5
358619	HS-805BB	.19sec/600	19.9	Clockwise	450/one side pulse	8/700	2.6x1.2x1.3	$59.95	$56.95
395786	HS-422	.21sec/600	3.3	Clockwise	450/one side pulse	8/150	1.6x0.8x1.4	19.95	18.95
395760	HS-322HD	.19sec/600	3.0	Clockwise	40/one side pulse	7.4/160	2.1x0.8x1.44	12.95	11.49
358635	HS-311	.19sec/600	3.0	Clockwise	40/one side pulse	7.4/160	1.5x0.78x1.13	16.95	15.95
166351	HS-755HB	.28sec/600	11.0	Clockwise	40/one side pulse	8/230	2.3x1.1x2.0	44.95	42.95

Accessories

Part No.	Description	1	5
358811	Servo Gripper, 1.3" opening (compatible with all servos above)	$19.95	$18.95
400400	Servo gearbox, 2:1 ratio, for use with P/N 358619	44.95	39.95
400418	Servo gearbox, 4:1 ratio, for use with P/N 358619	44.95	39.95
396279	3 color wire (red, black, yellow), 22-20, 50'	15.95	14.49

12VDC Solenoid Valve

- Current: 350mA
- Operating voltage: 12VDC
- Dimensions: 1.2"L x 0.92" Dia.
- Air leakage: 4psi, 1c.c./min. max.
- 0.250" quick disconnect terminals
- Operational temp.: -29°C to 85°C

★Web Code: MEJ

Part No.	Product No.	1	5	25
169835	TAV-0829-R ℛ	$9.95	$8.95	$7.95

12VDC Power Solenoid

- 12VDC
- 4Ω coil
- Handles a 225A load
- Intermittent 50% duty cycle
- 1/4-20 copper studs
- Contractors power solenoid
- 2.25" mounting centers
- Size: 1.86" x 3" base

★Web Code: MEJ

Part No.	Product No.	1	5	25
1585645	93285	$3.95	$3.49	$2.95

JAMECO ReliaPro

12VDC & 24VDC Continuous Push/Pull Solenoids

★Web Code: MEJ

Part No.	*Mfr.	Product No.	Type	Volt. (VDC)	Coil Res. (±10%) (Ohms)	Power Consump. (W)	Holding Force (lbs.@20°C)	Stroke (ins.)	Dimensions (L" x Dia.")†	Shaft (Dia.")	Wt. (lbs.)	Pricing 1	Pricing 5	Pricing 25
1919351	JRP	SMO-0415S12STD ℛ	Open frame-push	12	180	0.8	0.026	0.20	0.6 x 0.4 x 0.3	0.157	0.02	$16.95	$15.25	$13.75
1919385	JRP	SMO-0420S12STD ℛ	Open frame-push	12	120	1.2	0.04	0.10	0.8 x 0.5 x 0.4	0.060	0.02	14.95	13.49	11.95
1919377	JRP	SMO-0415L12STD ℛ	Open frame-pull	12	120	1.2	0.04	0.10	0.8 x 0.5 x 0.4	0.157	0.02	16.95	15.25	13.75
1919393	JRP	SMO-0420L12STD ℛ	Open frame-pull	12	120	1.2	0.04	0.10	0.8 x 0.5 x 0.4	0.070	0.02	9.95	8.95	7.95
262247	JRP	SMO-0520L12STD ℛ	Open frame-pull	12	90	1.6	0.16	0.24	0.8 x 0.6 x 0.5	0.200	0.04	9.95	8.95	7.95
1919414	JRP	SMO-0630L12STD ℛ	Open frame-pull	12	60	2.4	0.187	0.10	1.2 x 0.8 x 0.6	0.060	0.10	14.95	13.49	11.95
262263	JRP	SMO-0837L12STD ℛ	Open frame-pull	12	36	4.0	1.10	0.24	1.5 x 1.0 x 0.8	0.310	0.21	10.95	9.95	8.75
262272	JRP	SMO-0837S12STD ℛ	Open frame-pull	12	36	4.0	1.10	0.24	1.5 x 1.0 x 0.8	0.08/0.31*	0.21	10.95	9.95	8.75
262290	JRP	SMO-1253L12AA ℛ	Open frame-pull	12	24	6.0	3.31	0.24	2.1 x 1.8 x 1.1	0.472	0.46	9.95	8.95	7.95
262167	JRP	SMT-1325L12STD ℛ	Tubular-pull	12	36	4.0	0.11	0.47	1.0 x 0.5	0.200	0.05	14.95	13.45	11.95
142464	JRP	SMT-1130L12A ℛ	Tubular-pull	12	36	4.0	0.63	0.40	1.6 x 0.4	0.150	0.04	12.95	11.49	9.95
1919422	JRP	SMT-1632L12STD ℛ	Tubular-pull	12	26.6	5.5	0.88	0.06	1.6 x 0.6	0.196	0.10	14.95	13.49	11.95
1919449	JRP	SMT-1939L12STD ℛ✪	Tubular-pull	12	20.6	7.0	1.30	0.07	1.6 x 0.8	0.090	0.18	19.95	17.95	15.95
1919465	JRP	SMT-2551L12STD ℛ	Tubular-pull	12	14.4	10.0	1.50	0.18	2.0 x 1.0	0.118	0.40	18.95	16.95	15.25
1919481	JRP	SMT-3257L12STD ℛ	Tubular-pull	12	11.07	13.0	3.70	0.18	2.3 x 1.3	0.157	0.65	29.95	26.95	24.25
1919191	✦	121E18711	Tubular-pull	24	44	12.8	1.00	1.00	2.3 x 1.0	0.430	0.40	9.95	8.95	7.95
215141	JRP	SMT-2251L24AA	Tubular-pull	24	60	10.0	4.00	1.00	3.0 x 1.0	0.440	0.40	13.95	12.55	11.29
149754	JRP	SMT-1325S12A ℛ	Tubular-push	12	36	4.0	0.75	0.47	1.9 x 0.5	0.063	0.05	19.95	17.95	15.95
149762	JRP	SMT-1632S12A ℛ	Tubular-push	12	21	7.0	1.50	0.24	2.5 x 0.6	0.098	0.10	16.95	15.25	13.75
1919457	JRP	SMT-2551S12STD ℛ	Tubular-push	12	14.4	10.0	1.50	0.18	2.0 x 1.0	0.118	0.39	21.95	19.95	17.95
1919473	JRP	SMT-3257S12STD ℛ	Tubular-push	12	11.07	13.0	3.70	0.18	2.3 x 1.3	0.157	0.65	29.95	26.95	24.25
262175	JRP	SMT-2551S24STD ℛ	Tubular-push	24	57.6	10.0	1.43	0.71	2.0 x 1.0	0.118	0.38	15.95	14.35	12.95
262191	JRP	SMT-3257S24STD	Tubular-push	24	44	13.0	6.80	0.70	2.3 x 1.3	0.160	0.65	24.95	22.45	19.95
262211	JRP	SMT-3864S24STD	Tubular-push	24	34	17.0	1.32	1.18	2.52 x 1.50	0.157	1.0	21.95	19.95	17.95
1919203	LEX	191172-001	Stroke-push	12	45	7.3	—	0.125	1.0 x 0.5	0.060	0.1	2.95	2.49	1.95

† Open frame type dimensions: L" x W" x H" * Dual shaft ✪ Blue Part No. = Limited Quantity Available

* JRP = Jameco ReliaPro | LEX = Ledex | ✦ Manufacturer Varies

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1809936

1951490

mm to Inches Conversion Chart

mm	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	76	80	92	95	97	120	127	150	172
Inches	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.99	3.15	3.63	3.74	3.82	4.69	5.00	5.90	6.77

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing 1	10	50	100
2095285	Adda ℛ	AD1505LX-K90	5	15 x 15 x 6	0.1	Hypro	50	0.25	CE	9.6	5.5"	$10.95	$9.95	$8.95	$7.95
2099809	Sunon	KDE0501PDB3-8	5	20 x 20 x 8	1.2	Ball	80	0.4	UL/CUL	21	5.5"	8.95	7.95	6.95	6.25
2095277	Adda ℛ	AD2005LX-G70	5	20 x 20 x 10	0.6	Hypro	80	0.4	UL/CUL/CSA/TUV/CE	20	5.5"	8.95	7.95	6.95	6.25
131247	Adda ℛ	AD0205LX-G50	5	25 x 25 x 10	1.8	Sleeve	100	0.5	UL/CSA/CE	15.6	5.5"	14.95	13.49	11.95	10.95
695050	Sunon	GM0502PFV2-8	5	25 x 25 x 10	3.0	Vapo	80	0.4	UL/CUL	16	5.5"	12.95	11.49	9.95	8.95
1708481	Sunon	KDE0502PHB3-8 (MS)	5	25 x 25 x 15	1.8	Ball	80	0.4	UL/CUL	16	4"	12.95	11.49	9.95	8.95
1928311	Adda	AD0305LB-K70	5	30 x 30 x 6.8	2.5	Ball	60	0.3	UL/CUL/TUV/CE	30	6"	8.95	7.95	6.95	6.25
2099497	Adda ℛ	AD0305MX-K70	5	30 x 30 x 6.8	3.3	Hypro	120	0.6	UL/CSA/TUV/CE	27.9	5.5"	9.95	8.95	7.95	6.95
1951211	Sunon	KDE0503PEV1-8 (MSN)	5	30 x 30 x 6.8	4.9	Vapo	180	0.9	UL/TUV/CE	28	6"	10.95	9.95	8.95	7.95
1951220	Sunon	KDE0503PEB3-8 (MSN)	5	30 x 30 x 6.8	4.9	Ball	180	0.9	UL/TUV/CE	28	6"	12.95	11.49	10.49	9.49
2099489	Adda ℛ	AD0305HX-G50	5	30 x 30 x 10	4.2	Hypro	170	0.85	UL/CUL/TUV/CE	30.7	5.5"	10.95	9.95	8.95	7.95
1950534	Sunon	KDE0503PFB1-8V	5	30 x 30 x 10	5.1	Ball	180	0.7	UL/TUV	22.5	5"	11.95	10.95	9.95	8.95
2095293	Adda ℛ	AD305HB-D50	5	30 x 30 x 15	3.7	Ball	130	0.65	UL/CUL/TUV/CE	22.5	11"	12.95	11.49	10.49	9.49
1708457	Sunon	KDE0504PEB3-8 (MS)	5	40 x 40 x 6.8	3.5	Ball	90	0.45	UL/CUL/TUV	20	6"	9.95	8.95	7.95	6.95
1928361	Adda	AD0405MB-K90 (S)	5	40 x 40 x 6.8	5.5	Ball	90	0.45	UL/TUV/CE	25	6"	10.95	9.95	8.95	7.95
1928353	Adda	AD0405HB-K90	5	40 x 40 x 6.8	6.0	Ball	120	0.6	UL/CUL/TUV/CE	30	5"	11.95	10.95	9.95	8.95
1581249	Sunon	KDE0504PFB3-8	5	40 x 40 x 10	4.6	Ball	70	0.35	UL/CUL	23.5	12"	5.95	5.35	4.79	4.19
196373	Sunon	KD0504PFB2-8	5	40 x 40 x 10	5.5	Ball	90	0.5	UL/CUL	23	12"	8.95	7.95	6.95	5.95
1928370	Adda	AD0405HS-G70	5	40 x 40 x 10	6.7	Sleeve	190	0.95	UL/CUL/TUV/CE	25	3" w/conn	6.95	6.25	5.59	4.95
1581265	Sunon	KDE0504PFS1-8	5	40 x 40 x 10	7.0	Sleeve	110	0.6	UL/CUL	27	12"	6.95	6.25	5.59	4.95
1585442	Sunon	KDE0504FB2 (MS)	5	40 x 40 x 10	7.0	Ball	140	0.7	CE	27	12"	7.95	6.95	6.25	5.59
1951238	Sunon	KDE0504PFB1-OC	5	40 x 40 x 10	7.5	Ball	200	1.0	UL/CE	28	12"	7.95	6.95	6.25	5.59
1952741	Elina	KDC050420MB	5	40 x 40 x 20	6.8	Ball/Sleeve	210	1.0	UL/CUL/TUV	25.5	12"	7.95	6.95	6.25	5.59
1951406	Delta	AFB0405HD-ROO	5	40 x 40 x 20	8.5	Ball	400	2.0	UL/CUL/TUV/CE	33	12" [1]	8.95	7.95	6.95	5.95
2095251	Adda ℛ	AD4505MX-K90	5	45 x 45 x 6	7.1	Hypro	120	0.6	CE	25.5	5.5"	8.95	7.95	6.95	6.25
1951060	Mechatronics	M5010M05C	5	51 x 51 x 10	6.4	Ball/Sleeve	60	0.3	UL/CUL/CE	24	12"	6.95	6.25	5.59	4.95
136494	Delta	AFB0505LA	5	51 x 51 x 10	7.4	Ball/Sleeve	80	0.4	UL/CE/CSA/VDE	26	11"	7.95	6.95	6.25	5.59
1950500	Sunon	KDE0505PFB1-8	5	51 x 51 x 10	10.2	Ball	170	0.9	UL/TUV	31.5	12"	8.95	7.95	6.95	6.25
136275	Delta	BFB0505L†	5	51 x 51 x 15	2.5	Ball	140	0.7	UL/CE/CSA/VDE	26.5	12"	9.95	8.95	7.95	6.95
136283	Elina	KDC050515MB	5	51 x 51 x 15	12.7	Ball/Sleeve	380	4.0	UL/CE/CUL/TUV	28	11"	8.95	7.95	6.95	6.25
1809936	Sunon ℛ	KD0505PHB2 (GN)	5	51 x 51 x 15	12.7	Ball	180	0.8	UL/CUL/TUV/CE	27.8	12"	9.95	8.95	7.95	6.95
1809944	Sunon	KDE0506PHB3	5	60 x 60 x 15	15.2	Ball	240	1.2	UL/CUL/TUV/CE	26.5	12"	8.95	7.95	6.95	6.25
2081756	Adda	AD0605HB-D71GL	5	60 x 60 x 15	16.6	Ball	370	1.8	UL/CUL/CE	32	6"	8.95	7.95	6.95	5.95
1708431	Sunon	KD0506PHB2	5	60 x 60 x 15	18.5	Ball	380	1.9	UL/CUL/TUV/CE	32	12"	9.95	8.95	7.95	6.95
1951414	Delta	AFB0605HD	5	60 x 60 x 20	16.6	Ball	240	1.2	UL/CUL/TUV/CE	28	12"	9.95	8.95	7.95	6.95
355493	Sunon	KD0506PTS3	5	60 x 60 x 25	15.9	Sleeve	230	1.2	UL/CUL/CE	26.7	6.5" w/conn	6.95	6.25	5.59	4.95
134869	Delta	AFB0605M	5	60 x 60 x 25	16.2	Ball	220	1.1	UL/CE/CSA/TUV	24.5	12"	7.95	6.95	6.25	5.59
1951078	Mechatronics	F6025E05B2-FS	5	60 x 60 x 25	24	Ball	700	3.5	UL/CUL	36	12" [2]	8.95	7.95	6.95	6.25
1951086	Mechatronics	F8025E05B2-FS	5	80 x 80 x 25	46	Ball	800	4.0	UL/CUL	32	12" [2]	9.95	8.95	7.95	6.95
1951094	Mechatronics	E9225M05B2-FS	5	92 x 92 x 25	44	Ball	560	2.8	UL/CUL	32	12" [2]	9.95	8.95	7.95	6.95
1951107	Mechatronics	F1238L05B2-FS	5	120 x 120 x 38	94	Ball	800	4.0	UL/CUL	36	12" [2]	10.95	9.95	8.95	7.95
2095269	Adda ℛ	AD2012LX-K70	12	20 x 20 x 6	0.6	Hypro	60	0.72	CE	19.5	5.5"	8.95	7.95	6.95	6.25
2095306	Adda ℛ	AD0212MB-K50 (S)	12	25 x 25 x 6	2.4	Ball/Sleeve	90	1.08	UL/CUL/TUV/CE	26	5.5"	11.95	10.95	9.95	8.95
1951641	Adda	AD0212LB-G50 (GL)	12	25 x 25 x 10	1.8	Ball	70	0.84	UL/CUL/CE	15.6	5.5"	11.95	10.95	9.95	8.95
1708449	Sunon	KDE1202PFB1-8 (V)	12	25 x 25 x 10	3.1	Ball	83	1.0	UL/CUL	33	6"	11.95	10.95	9.95	8.95
212767	Sunon	KDE1203PFB3-8 (V)	12	30 x 30 x 10	3.2	Ball	50	0.6	UL/CE	18.5	6"	9.95	8.95	7.95	6.95
1708465	Sunon	KDE1203PFB2-8 (MS)	12	30 x 30 x 10	4.2	Ball	66	0.8	UL/CUL	25	6"	9.95	8.95	7.95	6.95
212784	Sunon ℛ	KDE1203PFB1-8V	12	30 x 30 x 10	5.1	Ball	75	0.9	UL/CUL/TUV/CE/VDE	27	4"	9.95	8.95	7.95	6.95
212783	Sunon	KDE1203PFB1-8	12	30 x 30 x 10	5.1	Ball	75	0.9	UL/CUL/TUV/CE/VDE	27	5.9"	11.95	10.95	9.95	8.95
1928134	Adda	AD0312HB-D50	12	30 x 30 x 15	4.2	Ball	110	1.3	UL/CUL/TUV/CE	22.5	3" w/conn	6.95	6.25	5.59	4.95
212741	Sunon	KDE1235PFB2-8	12	36 x 36 x 10	4.5	Ball	60	0.8	UL/CUL/TUV/CE/VDE	21	5.9"	9.95	8.95	7.95	6.95
212759	Sunon +	KDE1235PFB1-8✪	12	36 x 36 x 10	5.2	Ball	80	1.0	UL/CUL/TUV/CE/VDE	25	5.9"	13.95	12.49	10.95	9.95
212760	Sunon ℛ	GM1235PFV1-8	12	36 x 36 x 10	7.0	Vapo	80	1.0	UL/CUL/TUV/CE	28	6"	14.95	13.49	11.95	10.95
1951490	Adda	AD0412HB-K90	12	40 x 40 x 6.8	6.0	Ball/Sleeve	80	1.0	UL/CUL/TUV/CE	30	5.5"	8.95	7.95	7.19	6.49
2099500	Adda ℛ	AD0412HB-K96	12	40 x 40 x 6.8	6.0	Ball	80	0.72	UL/CUL/TUV/CE	30	5.5" [1]	8.95	7.95	6.95	6.25
1950526	Sunon	KD1204PFS3H	12	40 x 40 x 10	4.2	Sleeve	60	0.7	UL/TUV	22	12"	5.95	5.35	4.79	4.29
2095314	Adda ℛ	AD0412LX-G70	12	40 x 40 x 10	4.7	Hypro	70	0.84	UL/CUL/TUV/CE	14	12"	6.95	6.25	5.59	4.95
210797	Sunon ℛ	KD1204PFV3	12	40 x 40 x 10	4.9	Vapo	60	0.6	UL/CUL/TUV/CE	24	12"	5.95	5.35	4.79	4.29
279611	Toyo	T401012VH	12	40 x 40 x 10	5.8	Ball	90	1.1	UL/CUL/TUV/CE	33.5	12"	4.95	4.49	3.95	3.59

[1] 3 leads; speed sensor [2] 3 leads; locked rotor protection (These functions are optional, if needed) † Blower ✪ Blue Part No. = Limited Quantity Available

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

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DC Brushless Tubeaxial Fans & Blowers (Continued)

1585291

1950446

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125006

114682

mm to Inches Conversion Chart

mm	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	76	80	92	95	97	120	127	150	172
Inches	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.99	3.15	3.63	3.74	3.82	4.69	5.00	5.90	6.77

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing 1	10	50	100
212717	Sunon℞	KDE1204PFV2.11.MS.A.GN	12	40 x 40 x 10	7.0	Vapo	80	1.0	UL/CUL/TUV/CE/VDE	27	12"	$6.95	$6.25	$5.59	$4.95
1585469	Y.S. Tech	FD1240107B-2N	12	40 x 40 x 10	6.6	Ball	90	1.08	UL/CUL/TUV	29	6"	5.95	5.35	4.79	3.95
1928054	Adda	AD0412HB-G70	12	40 x 40 x 10	6.7	Ball	100	1.2	UL/CUL/TUV/CE	25	2.5" w/conn	5.95	5.35	4.79	4.29
290010	Adda	AD0412HB-G70	12	40 x 40 x 10	6.7	Ball	100	1.2	UL/CUL/TUV/CE	25	10" w/conn	9.95	8.95	7.95	6.95
1950139	Sunon	KDE1204PFS2-11	12	40 x 40 x 10	7.0	Sleeve	92	1.1	UL/CUL/TUV/CE	27	12"	7.95	7.19	6.49	5.79
2081924	Sunon	KDE1204PFB2	12	40 x 40 x 10	7.5	Ball	90	1.1	UL/CUL/TUV/CE	30	12"	8.95	7.95	6.95	5.95
189691	Sunon℞	KD1204PFS1-11.GN	12	40 x 40 x 10	8.0	Sleeve	60	0.7	UL/CUL/TUV/CE	30	12"	7.95	7.19	6.49	5.79
212725	Sunon℞	KDE1204PFV1	12	40 x 40 x 10	8.3	Vapo	110	1.4	UL/CUL/TUV/CE/VDE	34.4	12"	6.95	6.25	5.59	4.95
2078151	Sunon	KD1204PFB1 OCM	12	40 x 40 x 10	8.5	Ball	110	1.3	UL/CUL/TUV	35	5" w/conn [2]	7.95	7.19	6.49	5.95
1708473	Sunon	KDE1204PFVX11.MS.A	12	40 x 40 x 10	9.5	Vapo	150	1.8	UL/CUL/TUV	39	12"	6.95	6.25	5.59	4.95
136178	Adda	ADO412MS-C70	12	40 x 40 x 20	5.0	Sleeve	110	1.32	UL/CSA	23	9"	7.95	6.95	6.25	5.59
1809856	Sunon	GM1204PKV3-A	12	40 x 40 x 20	6.3	Vapo	50	0.6	UL/CSA/TUV	18	12"	6.95	6.25	5.59	4.95
195899	Sunon	KDE1204PKS2	12	40 x 40 x 20	6.5	Sleeve	70	0.9	UL/CSA/TUV	25.5	12"	6.95	6.25	5.59	4.95
279620	Toyo	T402012H	12	40 x 40 x 20	6.7	Ball	70	0.84	UL/CUL/TUV/CE	26.2	12"	6.95	6.25	5.59	4.95
687754	Sunon	KDE1204PKSX-8	12	40 x 40 x 20	9.5	Sleeve	90	1.1	UL/CSA	28	11"	6.95	6.25	5.59	4.95
2099518	Adda℞	AD0412UB-C51	12	40 x 40 x 20	9.9	Ball	180	2.16	UL/CUL/TUV/CE	36.1	11"	8.95	7.95	6.95	6.25
2082100	Sunon	KDE1204PKBX-8	12	40 x 40 x 20	10	Ball	90	1.1	UL/TUV/CE	29.4	4"	7.95	6.95	6.25	5.59
206164	Sunon+	KDE1204PKBX-8	12	40 x 40 x 20	10	Ball	90	1.1	UL/TUV/CE	29.4	12"	9.95	8.95	7.95	6.95
2099841	Delta	EFB0412VHD-R00	12	40 x 40 x 20	10.1	Dual ball	120	1.4	UL/CSA/VDE/CE	32.5	12" [2]	9.95	8.95	7.95	6.95
1928118	Adda	AD4012HB-C50	12	40 x 40 x 20	10.5	Ball	100	1.2	UL/CUL/TUV/CE	31.9	12"	8.95	7.95	6.95	6.25
1585291	Sunon	GM1204PKVX-A	12	40 x 40 x 20	10.8	Vapo	130	1.6	UL/CUL/CSA	27.5	5"	6.95	6.25	5.59	4.95
2082089	Sanyo Denki	109P0412H302	12	40 x 40 x 28	11.3	Ball	195	2.3	UL/CSA/TUV	37	3.75"	8.95	7.95	6.95	5.95
2095162	Sunon	PMD1204PQBX-A(2)F	12	40 x 40 x 28	23.5	Ball	570	6.8	UL/CE	51.5	3" w/conn [1]	12.95	11.49	9.95	8.95
1951246	Sunon	PMD1204PQBX-A(2)	12	40 x 40 x 28	23.5	Ball	570	6.8	UL/CE	51.5	12"	14.95	13.49	11.95	10.95
1951254	Sunon	PMD1204PQBX-A(2)F	12	40 x 40 x 28	23.5	Ball	570	6.8	UL/CE	51.5	12" [1]	14.95	13.49	11.95	10.95
1950753	Comair Rotron	CR4512MB-G70	12	45 x 45 x 10	6.9	Ball	70	0.8	UL/CUL/CE/TUV	21.6	12"	6.95	6.25	5.59	4.95
2095322	Adda℞	AD4512HX-G70	12	45 x 45 x 10	9.1	Hypro	90	1.08	UL/CUL/TUV/CE	27.4	11"	7.95	6.95	6.25	5.59
212688	Sunon℞	KDE1245PFV1-11	12	45 x 45 x 10	11	Vapo	110	1.3	UL/CUL/TUV/CE/VDE	32	12"	6.95	6.25	5.59	4.95
1918809	Jamicon	KF0510B1M	12	51 x 51 x 10	9.27	Ball	80	0.8	UL/CUL/TUV/CE	26.6	10.5"	5.95	5.35	4.79	4.29
2095331	Adda℞	AD0512HX-G70	12	51 x 51 x 10	10.5	Sleeve	120	1.4	UL/CUL/TUV/CE	24	11"	6.95	6.25	5.59	4.95
2095349	Adda℞	AD0512MB-G76	12	51 x 51 x 10	10.5	Ball	120	1.4	UL/CUL/TUV/CE	24	11" [1]	7.95	6.95	6.25	5.59
1950446	Sunon	KD1205PFB1(2)H	12	51 x 51 x 10	11.4	Ball	130	1.6	UL/TUV	34.7	12"	6.95	6.25	5.59	4.95
125006	Nidec	A33999-16 †	12	51 x 51 x 15	4.0	Ball	170	2.04	UL/CE	46	11"	9.95	8.95	7.95	6.95
139601	Adda+	AD0512HS-D71	12	51 x 51 x 15	12	Sleeve	100	1.2	UL/CSA/CE	29	5"	6.95	6.25	5.59	4.95
2099534	Adda℞	AD5012MX-D71	12	51 x 51 x 15	12.6	Hypro	100	1.2	UL/CUL/TUV/CE	29	5.5"	8.95	7.95	6.95	6.25
1809813	Sunon	GM1205PHV1-AR	12	51 x 51 x 15	17	Vapo	130	1.5	UL/CUL/TUV/CE	33	12" [2]	7.95	6.95	6.25	5.59
2095357	Adda℞	AD0612HB-G70	12	60 x 60 x 10	14.5	Ball	150	1.8	UL/CUL/TUV/CE	32	11"	9.95	8.95	7.95	6.95
1946025	Evercool℞	EC6010M12CA	12	60 x 60 x 10	15.5	Ball	160	1.9	UL/CE/TUV	30	9" [1]	8.95	7.95	6.95	6.25
1928046	Adda	AD0612LX-D70GL	12	60 x 60 x 15	12	Hypro	90	1.08	UL/CUL/TUV/CE	27.2	8"	7.95	6.95	6.25	5.59
2078178	Delta	AFB0612MB	12	60 x 60 x 15	13.4	Ball	80	0.96	UL/CUL/TUV/CE	29	12"	7.95	6.95	6.25	5.59
195945	Adda℞	AD612MS-D71GL	12	60 x 60 x 15	14.2	Sleeve	110	1.32	UL/CSA/TUV/CE	28.8	6"	8.95	7.95	6.95	6.25
249069	Jamicon℞	JF0615B1H-000-243	12	60 x 60 x 15	15.7	Ball	170	2.04	UL/CUL/TUV/CE	34	12"	9.95	8.95	7.95	6.95
687771	Sunon	KDE1206PHS1	12	60 x 60 x 15	21	Sleeve	150	1.8	UL/CSA/TUV/CE	36	11"	8.95	7.95	6.95	6.25
1585400	Sunon℞	KDE1206PHB1	12	60 x 60 x 15	21	Ball	150	1.8	UL/CSA/CE	37.5	11"	10.95	9.95	8.95	7.95
144161	Adda℞	AD0612LB-C70GL	12	60 x 60 x 20	12.6	Ball	80	1.0	UL/CSA/TUV	22.7	6"	9.95	8.95	7.95	6.95
1928126	Adda	AD0612HB-C70GL	12	60 x 60 x 20	16.3	Ball	160	1.92	UL/CSA/TUV/CE	31	12"	7.95	6.95	6.25	5.59
189595	Sunon	KD1206PKS2	12	60 x 60 x 20	16.5	Sleeve	150	1.8	UL/CSA/TUV/CE	31	12"	7.95	6.95	6.25	5.59
119635	Delta/Fonsan	DFD0612H	12	60 x 60 x 20	17.7	Ball	110	1.3	UL/CE/CSA/VDE	30	12"	7.95	6.95	6.25	5.59
1951182	Sunon	KDE1206PKV2 MS.A.GN	12	60 x 60 x 20	18.5	Vapo	90	0.8	UL/CE	27.5	11"	9.95	8.95	7.95	6.95
114682	Delta	AFB0612VHD	12	60 x 60 x 20	30	Ball	270	2.4	UL/CE/CSA/VDE	39.5	12"	10.95	9.95	8.95	7.95
1810101	Japan Servo	TUDC12Z4F-022	12	60 x 60 x 25	19	Ball	140	1.8	UL/CSA/TUV	32	5" w/ conn	6.95	6.25	5.59	4.95
2095197	Delta	DFB0612H	12	60 x 60 x 25	19.4	Ball	120	1.4	UL/CE/CSA/VDE	30	12"	8.95	7.95	6.95	6.25
102947	Jamicon	JF0625S1H	12	60 x 60 x 25	20.5	Sleeve	230	2.7	UL/CUL/TUV	33.6	12"	7.95	6.95	6.25	5.59
150422	Jamicon℞	JF0625B1H	12	60 x 60 x 25	21.4	Ball	230	2.7	UL/CSA/TUV	30.5	10"	8.95	7.95	6.95	6.25
195911	Sunon℞	KD1206PTS1AGN	12	60 x 60 x 25	21.7	Sleeve	190	2.3	UL/CSA/TUV	34	12"	9.95	8.95	7.95	6.95
689240	Sunon	KDE1206PTB1	12	60 x 60 x 25	22.5	Ball	190	2.2	UL/CUL/TUV/CE	34	11" w/ conn [1]	9.95	8.95	7.95	6.95
114674	Delta	AFB0612HH-R00	12	60 x 60 x 25	23	Ball	180	2.16	UL/CE/CSA/VDE	33	12" [2]	9.95	8.95	7.95	6.95
1951043	Mechatronics	6025E12B3-FS	12	60 x 60 x 25	24	Ball	230	3.5	UL/CUL	36	12" [3]	8.95	7.95	6.95	6.25
1951158	Nidec	TA225DC-M34418-33L	12	60 x 60 x 25	25	Ball	280	3.36	UL/CSA	31.5	12" [1]	9.95	8.95	7.95	6.95

[1] 3 leads; speed sensor [2] 3 leads; locked rotor protection [3] Thermistor speed control (These functions are optional, if needed) † Blower

Fans continued on next page

1951174

1810030

Call for additional OEM PRICING – we carry major manufacturers.

DC Brushless Tubeaxial Fans & Blowers (Continued)

NEW MARKED IN PINK

★12V Web Code: LBZ

1928100

1809995

mm to Inches Conversion Chart

mm	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	76	80	92	95	97	120	127	150	172
Inches	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.99	3.15	3.63	3.74	3.82	4.69	5.00	5.90	6.77

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing 1	10	50	100
2099526	Adda℞	AD0612XB-A74GL	12	60 x 60 x 25	31.4	Ball	380	4.56	UL/CSA/TUV/CE	42.9	12" [1]	$10.95	$9.95	$8.95	$7.95
2081300	Sunon℞	PMD1206PTB1-A(2)FGN	12	60 x 60 x 25	36	Ball	325	3.9	UL//CUL/TUV/CE	44	12" [1]	12.95	11.49	9.95	8.95
2081288	Sunon+	PDM1206PMB1-A(2).F12	12	60 x 60 x 38	56.5	Dual Ball	880	10.6	UL//CUL/TUV/CE	56	12" [1]	14.95	13.49	11.95	10.95
123941	Nidec	D07R-12TL018	12	70 x 70 x 15	19.8	Ball	80	0.96	UL/CSA	27	23" [2]	10.95	9.95	8.95	7.95
644842	Evercool	EC7530M12S-B†	12	76 x 72 x 30	10.8	Sleeve	170	2.0	UL/CE/TUV	30	8" w/ conn	12.95	11.49	9.95	8.95
2099446	Adda℞	AD7512LB (2A)	12	76 x 76 x 30	6.9	Ball	110	1.32	UL/CUL/TUV/CE	29	15" w/conn [2]	10.95	9.95	8.95	7.95
1951174	Nidec	GAMMA28-A34351-16†	12	76 x 76 x 30	10	Ball	230	2.76	UL/CSA	39	11"	13.95	12.49	10.95	9.95
614951	Delta	BFB0712H†	12	76 x 76 x 30	11.3	Ball	220	2.64	UL/CE/CSA/VDE	38	12"	14.95	13.49	11.95	10.95
132951	Shicoh	A0815-12HV	12	80 x 80 x 15	18.4	Ball/Sleeve	200	2.4	—	32	12" [1]	6.95	6.25	5.59	4.95
2099462	Adda℞	AD0812LB-D70	12	80 x 80 x 15	20	Ball	120	1.44	UL/CSA/TUV/CE	19.6	6" w/conn	7.95	6.95	6.25	5.59
401269	Delta	AFB0812LB	12	80 x 80 x 15	24.7	Ball	140	1.68	UL/CSA/TUV	27.5	10"	8.95	7.95	6.95	6.25
1950163	Sunon	KD1208PHB3H	12	80 x 80 x 15	25.5	Ball	120	1.4	CE	28	12"	8.95	7.95	6.95	6.25
109082	Adda℞	AD0812HS-D71	12	80 x 80 x 15	29	Sleeve	190	2.3	UL/CSA/TUV/CE	31.4	12"	9.95	8.95	7.95	6.95
1708570	Sunon	KD1208PHB1-AH	12	80 x 80 x 15	35	Ball	240	2.9	UL/CUL/TUV/CE	39.5	12"	9.95	8.95	7.95	6.95
2095365	Adda℞	AD0812XX-D71	12	80 x 80 x 15	39.4	Hypro	350	4.2	UL/CSA/TUV/CE	42	11"	10.95	9.95	8.95	7.95
141921	Adda℞	AD0812HB-C70	12	80 x 80 x 20	27.3	Ball	240	2.9	UL/CSA/CE	34	12"	10.95	9.95	8.95	7.95
2081748	Sunon	KDE1208PKV1.13.MS.A	12	80 x 80 x 20	36	Vapo	130	1.6	UL/CUL/TUV/CE	38	12"	10.95	9.95	8.95	7.95
688597	NMB	3110GL-B4W-B19	12	80 x 80 x 25	24.7	Ball	100	1.2	UL/CSA/TUV/CE	22	7" w/ conn. [1]	5.95	5.35	4.79	4.29
154289	Sunon℞	KDE1208PTS3-6	12	80 x 80 x 25	29.4	Sleeve	120	1.4	UL/CSA/TUV/CE	24.5	12"	9.95	8.95	7.95	6.95
1952759	Max Flow	MF8025D1-LSPS	12	80 x 80 x 25	31.1	Sleeve	130	1.56	UL	29	7" w/ conn.	6.95	6.25	5.59	4.95
123530	Adda℞	AD0812MS-A70GL	12	80 x 80 x 25	32	Sleeve	150	1.8	UL/CSA/TUV	28.3	12"	7.95	6.95	6.25	5.59
1955010	NMB	3110KL-04W-B40	12	80 x 80 x 25	35.3	Ball	200	2.40	UL/CSA/TUV/CE	31	13"	6.95	6.25	5.59	4.95
1950147	Sunon	KD1208PTB2(2)HM	12	80 x 80 x 25	36	Ball	160	2.1	UL/CE/TUV	29	11" [1]	7.95	6.95	6.25	5.59
1810030	Sanyo Denki	109R0812H4011	12	80 x 80 x 25	36.4	Ball	130	1.56	UL/CSA/TUV	29	12" [1]	8.95	7.95	6.95	5.95
1537387	Sunon℞	KD1208PTB213.(2).GN	12	80 x 80 x 25	37	Ball	110	1.3	UL/CUL/TUV/CE	32	11.5" w/ conn.	10.95	9.95	8.95	7.95
212636	Sanyo Denki	109L0812H4D01	12	80 x 80 x 25	37.4	Ball	180	2.16	UL/CSA/TUV	32	5.5" [2]	6.95	6.25	5.59	4.95
1928038	Adda	AD0812HS-A70GL	12	80 x 80 x 25	38.6	Sleeve	250	3.0	UL/CSA/TUV/CE	34.4	12"	5.95	5.35	4.79	4.29
1928100	Adda	AD0812HX-A70GL	12	80 x 80 x 25	38.6	Hydro wave	250	3.0	UL/CSA/TUV/CE	34	12"	5.95	5.35	4.79	4.29
2078194	Adda	AD0812HS-A73	12	80 x 80 x 25	38.6	Sleeve	250	3.0	UL/CSA/TUV	34.3	12" [1]	6.95	6.25	5.59	4.95
662661	NMB-MAT℞	FBA08A12H1BS	12	80 x 80 x 25	39.6	Hydro wave	173	2.1	UL/CSA/TUV	32	12" [2]	6.95	6.25	5.59	4.95
1585477	Sunon	KD1208PTS1-13	12	80 x 80 x 25	40	Sleeve	160	1.90	UL/CUL/TUV/CE	33	12"	5.95	5.35	4.79	4.49
1950569	Sunon	KD1208PTS1 H.M	12	80 x 80 x 25	40	Sleeve	160	2.6	UL/CE	33	12" [1]	5.95	5.35	4.79	4.39
1810021	Sunon	KDE1208PTV1.13.MS.A	12	80 x 80 x 25	40	Vapo	160	1.9	UL/CUL/TUV/CE	33	12"	6.95	6.35	5.59	4.95
1708490	Sunon	KDE1208PTB1-13.MS(2)A	12	80 x 80 x 25	41	Dual Ball	150	1.8	UL/CUL/TUV/CE	35	12"	7.95	6.95	6.25	5.59
206181	Sunon	KDE1208PTS1-6	12	80 x 80 x 25	42	Sleeve	220	2.6	UL/CSA/TUV/CE	34	9"	7.95	6.95	6.25	5.59
355400	ReliaPro+	JR-DCF-128025B1	12	80 x 80 x 25	42	Ball	230	2.8	UL/CUL/TUV/CE	28.6	11.5"	7.95	6.95	5.95	4.95
2081271	Sunon	KDE1208PTB1-6(OCM)	12	80 x 80 x 25	42.5	Ball	220	2.6	UL/CUL/TUV/CE	36.5	12" [1]	8.95	7.95	6.95	5.95
249148	Sunon	KDE1208PTB1-6(OC)	12	80 x 80 x 25	42.5	Ball	220	2.6	UL/CUL/TUV/CE	36.5	12"	9.95	8.95	7.95	6.95
1810110	Sunon✪	KDE1208PTB1-6AF318	12	80 x 80 x 25	42.5	Ball	190	2.3	UL/CUL/TUV/CE	36.5	10" [2]	8.95	7.95	6.95	6.25
1954931	Comair Rotron	FE12K7X	12	80 x 80 x 25	45	Ball	250	3.0	UL/CSA/TUV/CE	40.8	11" [1]	10.95	9.95	8.95	7.95
1918729	Jamicon	JF0825S1SR	12	80 x 80 x 25	45.5	Sleeve	260	3.12	UL/CUL/TUV/CE	35.8	12" w/ conn.	7.95	6.95	6.25	5.59
421526	Panasonic	FBA08A12U-1AZ	12	80 x 80 x 25	47	Sleeve	360	4.32	UL/CSA	38.2	11"	7.95	6.95	6.25	5.59
1809995	Sunon	KDE1208PTBX-6A(318)	12	80 x 80 x 25	50.6	Ball	360	4.3	UL/CUL/TUV/CE	40.5	12"	13.95	12.49	10.95	9.95
2081078	Jamicon℞	JF0825B1UR	12	80 x 80 x 25	52	Dual Ball	370	4.4	UL/CUL/TUV/CE	40	12"	11.95	10.95	9.95	8.95
2081692	Y.S. Tech	NFD128125BB-2F	12	80 x 80 x 25	59.2	Dual Ball	450	5.4	UL/CUL/TUV	44	20" w/ conn. [1]	12.95	11.49	10.49	9.49
695682	Comair Rotron℞	030615/ST12B3	12	80 x 80 x 32	34	Ball	280	3.4	UL/CUL/TUV/CE	40.9	12"	22.95	19.95	17.95	15.95
107406	EBM Papst	8312GHL	12	80 x 80 x 32	39.4	Sleeve	330	4.0	UL/CE/CSA/VDE	43	12"	19.95	17.95	15.95	14.95
1951166	Nidec	TA350DC-M33416-16	12	92 x 92 x 25	28	Ball	110	1.32	UL/CSA	19.5	11"	7.95	6.95	6.25	5.59
1928089	Adda	AD0912LS-A70GL	12	92 x 92 x 25	32.4	Sleeve	130	1.6	UL/CUL/TUV/CE	23.5	12"	7.95	6.95	6.25	5.59
1952783	Nidec	TA350DC-M34138-34	12	92 x 92 x 25	35	Ball	160	1.92	UL/CSA	26.4	10" w/ conn. [5]	8.95	7.95	6.95	6.25
1952257	AVC	C9025S12L	12	92 x 92 x 25	37.2	Sleeve	150	1.8	UL/CUL/TUV/CE	26.2	5.5" [1]	8.95	7.95	6.95	6.25
1928097	Adda	AD0912LX-A70GL	12	92 x 92 x 25	37.9	Hypro	120	1.44	UL/CUL/TUV/CE	26.5	12"	9.95	8.95	7.95	6.95
1928003	Adda	AD0912MB-A71GL	12	92 x 92 x 25	44.2	Ball	170	2.0	UL/CUL/TUV/CE	32.7	12"	10.95	9.95	8.95	7.95
1952880	Nidec	TA350DC-M33422-57G4	12	92 x 92 x 25	48	Ball	290	3.48	UL/CSA	35	10" w/ conn. [4]	8.95	7.95	6.95	6.25
154641	Nidec	TA350DC-M33422-16	12	92 x 92 x 25	48	Ball	290	3.5	UL/CSA	43	12"	9.95	8.95	7.95	6.95
1952935	Sunon	KD1209FTB2-6	12	92 x 92 x 25	48	Dual Ball	500	2.1	UL/CSA/TUV/CE	32	25" w/ conn. [4]	10.95	9.95	8.95	7.95
190984	Sunon℞	KD1209PTB1-6A	12	92 x 92 x 25	51	Ball	220	2.6	UL/CSA/TUV	34	12"	11.95	10.95	9.95	8.95
207061	AVC	C9025S12H	12	92 x 92 x 25	52	Sleeve	160	3.8	UL/CUL/TUV/CE	34	6" w/ conn. [1]	7.95	6.95	5.95	4.95

[1] 3 leads; speed sensor [2] 3 leads; locked rotor protection [4] Temperature sensor [5] 4 leads; wired for Dell proprietary PWM circuit control w/ tach (blue), lock rotor (yellow) & fan guard

† Blower ✪ Blue Part No. = Limited Quantity Available

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Call for additional OEM PRICING – we carry major manufacturers.

DC Brushless Tubeaxial Fans (Continued)

★12V Web Code: LBZ

★24V Web Code: QEF

644893

2082097

1537467

1951051

mm to Inches Conversion Chart

mm	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	76	80	92	95	97	120	127	150	172
Inches	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.99	3.15	3.63	3.74	3.82	4.69	5.00	5.90	6.77

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing 1	10	50	100
1952767	NMB	3610KL-04W-B56PS9	12	92 x 92 x 25	54.7	Ball	315	3.8	UL/CSA/TUV/CE	41	7" w/ conn.[6]	$7.95	$6.95	$5.95	$4.95
1952951	NMB	3610KL-04W-B56PS6	12	92 x 92 x 25	55	Ball	315	3.8	UL/CSA/TUV/CE	41	9" w/ conn.[2]	7.95	6.95	5.95	4.95
102963	Nidec	TA350DC-M33503-55	12	92 x 92 x 25	56	Ball	400	4.8	UL/CSA	45	8"	7.95	6.95	5.95	4.95
1776281	Delta	AFB0912HH	12	92 x 92 x 25	57.9	Ball	250	3.0	UL/CSA/VDE/CE	38	12"	9.95	8.95	7.95	6.95
644893	Evercool	EC9733M12S-B†	12	97 x 92 x 33	19.4	Sleeve	200	2.4	UL/CE/TUV	30	8" w/ conn.	14.95	13.49	11.95	10.95
2081297	Delta	BFB1012H†	12	97 x 94 x 33	25.4	Dual Ball	800	9.6	UL/CSA/VDE/CE	52	6"	12.95	11.49	9.95	8.95
2081641	Delta	BFB1012H+†	12	97 x 94 x 33	25.4	Dual Ball	800	9.6	UL/CSA/VDE/CE	52	11"	14.95	13.49	11.95	10.95
1951481	Delta/Dell	AFC0912DE-U4218	12	92 x 92 x 38	160	Dual Ball	2500	30	UL/CSA/TUV/CE	63	10" w/ conn.[5]	14.95	13.49	11.95	10.95
207062	Sony ℛ	SFF22C†	12	100 x 104 x 35	21	Ball	900	10.8	UL/CSA	51	15" w/ conn.[1]	11.95	10.95	9.95	8.95
174140	Common Wealth	FP108MS3	12	120 x 120 x 25	54	Sleeve	140	1.7	UL/CSA/TUV/CE	25	12"	12.95	11.49	10.49	9.49
689231	Sunon	KDE1212PTS3-6A	12	120 x 120 x 25	67	Sleeve	200	2.4	UL/CUL/TUV/CE	35	12"	14.95	13.49	11.95	10.95
227901	Common Wealth ℛ	FP-108M-S1-B	12	120 x 120 x 25	80	Ball	330	4.0	UL/CSA/VDE/CE	42	12"	14.95	13.49	11.95	10.95
363848	Mechatronics	E1225H12B	12	120 x 120 x 25	82	Ball	385	4.62	UL/CUL/TUV	40	3.5"	9.95	8.95	7.95	6.95
1928020	Adda	AD1212HB-A71GL	12	120 x 120 x 25	85.2	Ball	370	4.5	UL/CUL/TUV/CE	39.1	12"	13.95	12.49	10.95	9.95
1952231	Turbofan	TA1225E12BS	12	120 x 120 x 25	93	Ball	580	7.0	UL/CSA/TUV	44	13"	10.95	9.95	8.95	7.95
1928011	Adda	AD1212US-A71GL	12	120 x 120 x 25	98.6	Sleeve	500	6.0	UL/CUL/TUV/CE	39.1	2" w/ conn.	6.95	5.95	4.95	3.95
2081705	T&T	1225H12B-PF1	12	120 x 120 x 25	119	Ball	800	9.6	UL/CUL/TUV/CE	47.5	21" w/ conn.[1]	11.95	10.95	9.95	8.95
2082097	Delta	BFB1212VH†	12	120 x 120 x 32	40	Ball	1250	15	UL/CSA/VDE/CE	57	13"	19.95	17.95	15.95	14.49
2082151	Comair Rotron	MC12B3QDN	12	120 x 120 x 32	102	Ball	660	7.9	UL/CSA/CE	47.8	12"[2]	19.95	17.95	15.95	14.49
868109	Comair Rotron	MC12B7	12	120 x 120 x 32	102	Ball	660	7.9	UL/CUL/TUV/CE	47.9	12"	24.95	22.49	19.95	17.95
1580289	EBM Pabst ℛ	4212/2	12	120 x 120 x 38	97.1	Ball	360	4.3	UL/CSA/VDE/CE	45	12"[1]	39.95	37.95	35.95	33.95
1585389	Japan Servo	CNDC12B4C-016	12	120 x 120 x 38	99	Ball	380	4.6	UL/CSA/TUV	40	12"	9.95	8.95	7.95	6.95
1580271	EBM Pabst ℛ	4182NX-12	12	120 x 120 x 38	106	Ball	380	4.5	UL/CSA/VDE	49	Terminal[1]	19.95	17.95	15.95	14.49
94626	Sunon ℛ	KD1212PMB1-6A	12	120 x 120 x 38	108	Ball	570	6.8	UL/CUL/TUV/CE	42	12"	13.95	12.49	10.95	9.95
1954703	Mechatronics	F1238H12B2-FS	12	120 x 120 x 38	112	Ball	440	5.3	UL/TUV	41	10" w/ conn.[2]	11.95	10.95	9.95	8.95
1952791	NMB	4715KL-04W-B46	12	120 x 120 x 38	118	Ball	900	8.4	UL/CSA/TUV/CE	47	6" w/ conn.[2]	8.95	7.95	6.95	5.95
1955028	NMB	4715KL-04W-B49	12	120 x 120 x 38	118	Ball	700	8.4	UL/CSA/TUV/CE	46	12" w/ conn.[1]	9.95	8.95	7.95	6.95
2099972	Delta	AFB1212SHE-4F1A	12	120 x 120 x 38	152	Ball	750	9.0	UL/CSA/VDE/CE	55.5	48"w/ conn.[7]	10.95	9.95	8.95	7.95
1537467	Comair Rotron	JQ12B7X	12	172 x 150 x 51	235	Ball	2260	25.2	UL/CSA/TUV/CE	54.3	12"[2]	22.95	19.95	17.95	15.95
1928281	Adda ℛ	AD0424HB-G70	24	40 x 40 x 10	6.7	Ball	90	2.16	UL/CUL/TUV/CE	25	7" w/ conn.	11.95	10.95	9.95	8.95
1951473	Delta	AFB0424MD	24	40 x 40 x 20	7.0	Ball	60	1.44	UL/CSA/TUV/CE	30	2" w/ conn.	8.95	7.95	6.95	5.95
100910	Sunon ℛ	KDE2404PKV2	24	40 x 40 x 20	7.7	Vapo	33	0.8	UL/CUL/TUV	21	12"	9.95	8.95	7.95	6.95
1951502	Adda	AD0424HB-C56	24	40 x 40 x 20	10.1	Ball	90	2.16	UL/CUL/TUV/CE	31.9	12"[1]	10.95	9.95	8.95	7.95
1708422	Sunon	KDE2406PHS3	24	60 x 60 x 15	15	Sleeve	50	1.2	UL/CUL/TUV/CE	31	12"	7.95	6.95	6.25	5.59
687818	Sunon	KDE2406PHB2	24	60 x 60 x 15	18	Ball	56	1.3	UL/CUL/TUV/CE	31	11'	9.95	8.95	7.95	6.95
212652	Delta/Fonsan	DFD0624H	24	60 x 60 x 20	17.7	Ball	100	2.4	UL/CE/CSA/TUV	30	12"	7.95	6.95	6.25	5.59
140661	NMB	2408NL-05W-B60	24	60 x 60 x 20	18.4	Ball	100	2.4	UL/CSA/TUV/CE	31	2" w/ conn.	5.95	4.95	4.49	3.95
1951191	Sunon	KDE2406PKV2MS.AGN	24	60 x 60 x 20	18.5	Vapo	90	1.1	UL/CE	27.5	11"	7.95	6.95	6.25	5.59
1954922	NMB	2410ML-05W-B10	24	60 x 60 x 25	14	Ball	60	1.44	UL/CSA/TUV/CE	23	13"	7.95	6.95	5.59	4.95
189861	Jamicon ℛ	JF0625B2M	24	60 x 60 x 25	18	Ball	130	3.1	UL/CSA/TUV/CE	28.5	10"	8.95	7.95	6.95	6.25
1952177	Japan Servo	TUDC24Z4P-029	24	60 x 60 x 25	19	Ball	80	1.8	UL/CSA/TUV	32	12"[2]	7.95	6.95	6.25	5.59
212628	Adda	AD0624HS-A70GL	24	60 x 60 x 25	23.2	Sleeve	150	3.6	UL/CSA/TUV/CE	32.3	17" w/ conn.	7.95	6.95	6.25	5.59
1928337	Adda	AD624HX-A70GL	24	60 x 60 x 25	23.2	Hypro	150	3.6	UL/CSA/TUV/CE	32.3	12"	8.95	7.95	6.95	6.25
1928071	Adda	AD0624HB-A70GL	24	60 x 60 x 25	25	Ball	150	3.6	UL/CSA/TUV/CE	33.9	12"	9.95	8.95	7.95	6.95
2081799	Nidec Beta	TA225DC-M33516-16	24	60 x 60 x 25	25	Ball	180	4.3	UL/CSA	37	12"	9.95	8.95	7.95	6.95
1809848	Sunon	PMD2406PTB1-A	24	60 x 60 x 25	35.8	Ball	220	5.3	UL/CUL/TUV/CE	48.8	12"	9.95	8.95	7.95	6.95
1928345	Adda	AD0824HX-D71L	24	80 x 80 x 15	29	Hypro	130	3.12	UL/CUL/TUV/CE	33.5	12"	9.95	8.95	7.95	6.95
1809864	Sunon	PMD2408PMB1-A	24	80 x 80 x 25	24	Ball	400	9.6	UL/CUL/TUV	55.2	12"	7.95	6.95	6.25	5.59
290029	Jamicon ℛ	JF0825B2M	24	80 x 80 x 25	31.7	Ball	130	3.1	UL/CUL/TUV/CE	29.3	10"	8.95	7.95	6.95	6.25
136161	Jamicon ℛ	JF0825B2H	24	80 x 80 x 25	39.2	Ball	150	3.6	UL/CSA/TUV	31	12"	9.95	8.95	7.95	6.95
1809952	Sunon	KDE2408PTB1-6A	24	80 x 80 x 25	42.5	Ball	110	2.6	UL/CUL/TUV/CE	36.5	12"	9.95	8.95	7.95	6.95
1928388	Adda	AD0824UB-A72GL	24	80 x 80 x 25	50	Ball	260	6.24	UL/CUL/CE	41	12"[2]	8.95	7.95	6.95	6.25
1580422	EBM Pabst ℛ	8314/12	24	80 x 80 x 32	31.8	Ball	245	2.5	UL/CUL/CSA/VDE	36	11" w/ conn.[1]	19.95	17.95	15.95	14.49
206965	Sunon	PMD2408PMB2-A	24	80 x 80 x 38	74.5	Ball	300	7.2	UL/CUL/CSA/VDE	52	12"	19.95	17.95	15.95	14.49
1951051	Mechatronics	E9225L24B1-FS	24	92 x 92 x 25	35	Ball	85	2.04	UL/CUL	27	12"[1]	9.95	8.95	7.95	6.95
1708502	Sunon	KDE2405PTS3-6	24	92 x 92 x 25	39	Sleeve	112	2.7	UL/CUL/TUV/CE	27	12"	12.95	11.49	9.95	8.95
1928329	Adda	AD0924HX-A70GL	24	92 x 92 x 25	50	Hypro	150	3.6	UL/CUL/TUV/CE	33.7	12"	9.95	8.95	7.95	6.95
695042	Sunon ℛ	KD2409PTB1-13AGN	24	92 x 92 x 25	51	Ball	140	3.4	UL/CE/TUV	37	12"	10.95	9.95	8.95	7.95

[1] 3 leads; speed sensor [2] 3 leads; locked rotor protection [5] 4 leads; wired for Dell proprietary PWM circuit control w/ tach (blue), lock rotor (yellow) & fan guard [6] 5 leads; locked rotor with 2 separate ground if needed
[7] 4 leads; all black tach/speed w/ connector (These functions are optional, if needed) † Blower

Fans continued on next page

Call for additional OEM PRICING – we carry major manufacturers.

DC Brushless Tubeaxial Fans & Blowers (Continued)

★24V Web Code: QEF

★48V Web Code: MAJ

153411

212661

1952960

1952775

mm to Inches Conversion Chart

mm	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	76	80	92	95	97	120	127	150	172
Inches	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.99	3.15	3.63	3.74	3.82	4.69	5.00	5.90	6.77

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing 1	10	50	100
1928302	Adda	AD0924US-A71GL	24	92 x 92 x 25	57.8	Sleeve	210	5.04	UL/CUL/TUV/CE	38.6	12"	$12.95	$11.49	$9.95	$8.95
104890	EBM Pabst℞	3314/12	24	92 x 92 x 32	47.1	Ball	140	3.4	UL/CE/TUV	37	12" [1]	14.95	13.49	11.95	10.95
1951465	Delta	FFB0924VHE	24	92 x 92 x 38	85	Ball	280	6.7	UL/CSA/VDE/CE	47	12"	14.95	13.49	11.95	10.95
1809881	Sunon	KD2412PTB1-6A	24	120 x 120 x 25	90	Ball	220	5.3	UL/CUL/TUV/CE	44.5	12"	13.95	12.49	10.95	9.95
1951115	Nidec	TA450DC-A34350-16	24	120 x 120 x 25	92	Ball	180	4.32	UL/CSA	40.4	10"	11.95	10.95	9.95	8.95
1708537	Sunon℞	KDE2412PMS3-6A	24	120 x 120 x 38	83	Sleeve	160	4	UL/CUL/TUV/CE	34	12"	12.95	11.49	9.95	8.95
694516	Jamicon℞	JF1238B2LR130-065R	24	120 x 120 x 38	84.5	Ball	130	3.12	UL/CSA/TUV/CE	33.8	9.5"	13.95	12.49	10.95	9.95
153411	Sunon	KD2412PMB2-6A	24	120 x 120 x 38	98	Ball	230	5.5	UL/CSA/TUV	36.5	12"	14.95	13.49	11.95	10.95
694444	Jamicon℞	JF1238S2MR-R	24	120 x 120 x 38	101.3	Sleeve	220	5.28	UL/CSA/TUV/CE	39.1	9"	14.95	13.49	11.95	10.95
694524	Jamicon℞	JF1238B2MR-R	24	120 x 120 x 38	101.3	Ball	220	5.28	UL/CSA/TUV/CE	39.1	9"	15.95	14.49	12.95	11.49
107394	EBM Pabst	4294GH	24	120 x 120 x 38	108	Sleeve	220	5.3	UL/CE/CSA/TUV	49	Terminals	15.95	14.49	12.95	11.49
694532	Jamicon℞	JF1238B2HR130-065R	24	120 x 120 x 38	118.7	Ball	310	7.44	UL/CSA/TUV/CE	43.8	9.5"	19.95	17.95	15.95	14.49
1809910	Sunon	KD2412PMSX-6A	24	120 x 120 x 38	119	Sleeve	300	7.2	UL/CUL/TUV/CE	45	12"	15.95	14.49	12.95	11.49
1951203	Sunon	PSD2412PMB1(2)	24	120 x 120 x 38	200	Ball	800	19.2	UL/CE/TUV	62	12"	19.95	17.95	15.95	14.49
297959	Delta †	BFB1224HE	24	125 x 126 x 34	27.2	Ball	340	8.1	UL/CE/CSA/TUV	50.5	12"	14.95	13.49	11.95	10.95
104265	EBM Pabst	5114N	24	135 x 135 x 38	147.1	Ball	395	9.5	UL/CSA/CE/VDE	48	12"	17.95	15.95	14.49	12.95
212662	EBM Pabst	6424/8-139	24	172 x 150 x 51	241	Ball	750	18	UL/CUL/TUV	57	24" [6]	19.95	17.95	15.95	14.49
212661	EBM Pabst	6224N/8HT	24	172 Round x 51	241.3	Ball	750	18	UL/CE/CSA/VDE	55	12" [6]	19.95	17.95	15.95	14.49
212644	Delta	AFB0948L	48	92 x 92 x 25	37	Ball	50	2.44	UL/CSA/TUV/CE	25	12"	14.95	13.49	11.95	10.95
212653	Delta ℞ †	BFB1248HH	48	120 x 120 x 32	35.3	Ball	220	10.5	UL/CSA/CE/VDE	54	12"	14.95	13.49	11.95	10.95
1952960	Comair Rotron	MC48B6QDNX	48	120 x 120 x 32	102	Ball	180	8.4	UL/CSA/TUV/CE	48	11" w/ conn. [1]	15.95	14.49	12.95	11.49
1951457	Delta	EFB1248HHF	48	120 x 120 x 32	120	Ball	140	6.72	UL/CSA/TUV/CE	50.5	6" w/ conn.	17.95	15.95	14.49	12.95
1952775	Orion	OD1232-48HB	48	120 x 120 x 32	120	Ball	180	8.6	UL/TUV/CE	51	12" [5]	19.95	17.95	15.95	14.49
1951422	Delta	FFB1248EHE-ROO	48	120 x 120 x 38	190	Ball	500	24	UL/CSA/TUV/CE	59	12" w/ conn. [2]	17.95	15.95	14.49	12.95
689063	EBM Pabst	W2G115-AG75-85	48	127 x 127 x 38	155	Ball	310	15	UL/CUL	52	10" [1]	17.95	15.95	14.49	12.95
1954711	Delta	EFB1348HHE-SV06	48	127 x 127 x 38	185	Ball	360	17.28	UL/CSA/VDE/CE	55.5	26" [1]	17.95	15.95	14.95	12.95

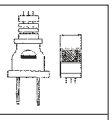
[1] 3 leads; speed sensor [2] 3 leads; locked rotor protection [5] 4 Leads wired for Dell proprietary PWM circuit control w/ tach (blue), lock rotor (yellow) & fan guard
[6] 5 leads; locked rotor with 2 separate ground if needed (These functions are optional, if needed) † Blower

DC & AC Plug Fan Power Cords

★Web Code: GAE

For Fans w/ Terminal Connection

Pigtail Fan Cord (A)


AC Plug Fan Cord (B)

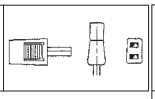


Fig. 1 Straight

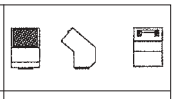


Fig. 2 45°

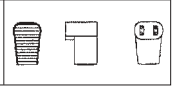


Fig. 3 90°

Part No.	Description	Fig.	Length	1	10	100	250
28564	Straight pigtail fan cord	1A	24"	$1.49	$1.25	$.99	$.89
2076658	Straight pigtail fan cord	1A	36"	1.49	1.25	.99	.89
1952548	45˚ pigtail fan cord℞	2A	24"	1.25	1.19	1.09	.99
104192	90˚ pigtail fan cord	3A	24"	1.25	1.19	1.09	.99
1952564	90˚ pigtail fan cord℞	3A	24"	1.29	1.25	1.15	1.09
1952572	Straight AC plug fan cord℞	1B	72"	2.95	2.69	2.39	2.19
1952581	45˚ AC plug fan cord℞	2B	72"	2.95	2.69	2.39	2.19

Fan Guards & Aluminum Washable Filters

★Web Code: UAR

- Guards and filters fit all fans. Please match by size dimension.
  Example: P/N 300557 fan (80mm) matches P/N 31924 metal guard (80mm).

Fig. 1

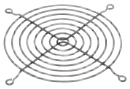
Fig. 2


Fig. 3

Fig. 4

Fig. 5

Part No.	mm	Description	Fig.	1	10	50	100
123502	40	Metal (chrome) guard+	1	$.59	$.55	$.49	$.45
120038	60	Metal (chrome) guard℞	1	.65	.59	.55	.49
687666	60	Metal (black anodized) guard	2	.85	.79	.75	.69
31924	80	Metal (chrome) guard℞	1	.69	.65	.59	.55
1928433	80	Metal (black anodized) guard	2	.89	.85	.79	.69
123511	92	Metal (chrome) guard+	1	.85	.79	.75	.69
25735	120	Metal (chrome) guard℞	1	.79	.75	.69	.65
695068	120	Metal (black anodized) guard	2	1.09	.99	.89	.79
695076	127	Metal (chrome) guard	1	1.25	1.09	.99	.89
1811198	172	Metal (chrome) guard	1	1.25	1.09	.99	.89
1952644	40	Plastic guard only	3	.55	.49	.45	.39
1952652	60	Plastic guard only	3	.65	.59	.55	.49
1952290	80	Plastic guard only	3	.79	.69	.59	.55

Part No.	mm	Description	Fig.	1	10	50	100
1952661	92	Plastic guard only	3	$.89	$.85	$.75	$.69
1952679	120	Plastic guard only	3	.99	.89	.79	.75
1952687	150	Plastic guard only	3	1.39	1.25	1.15	1.05
1952695	40	Plastic guard w/ mesh	4	1.29	1.19	1.09	.99
1952708	60	Plastic guard w/ mesh	4	1.49	1.39	1.25	1.19
138562	80	Plastic guard w/ mesh℞	4	1.65	1.49	1.39	1.29
229665	92	Plastic guard w/ mesh+	4	1.95	1.75	1.59	1.45
196817	120	Plastic guard w/ mesh℞	4	2.19	2.09	1.95	1.79
1952716	172	Plastic guard w/ mesh	4	2.79	2.49	2.29	2.19
1952724	60	Alum. washable filter	5	2.25	1.95	1.75	1.59
138580	80	Alum. washable filter℞	5	2.49	2.29	2.09	1.89
1952732	92	Alum. washable filter	5	2.95	2.75	2.49	2.25
130105	120	Alum. washable filter℞	5	3.25	2.95	2.75	2.49

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

212600

206309

115 & 220VAC Tubeaxial Fans

★Web Code: ABJ

275793

209365

mm to Inches Conversion Chart

mm	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	76	80	92	95	97	120	127	150	172
Inches	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.99	3.15	3.63	3.74	3.82	4.69	5.00	5.90	6.77

Part No.	Manufacturer	Mfr. Part No.	Voltage (VAC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection	Pricing 1	10	50	100
213867	Fulltech ℛ	UF60D11BWH	115	60 x 60 x 30	10.2	Ball	35	4	UL/CUL/VDE/CE	28	12" leads	$17.95	$15.95	$14.49	$12.95
146078	Common Wealth ℛ	FP108AX-S1-B (115)	115	80 x 80 x 25	23	Ball	180	14	UL/CE	29	12" leads	15.95	14.49	12.95	11.49
300557	Fulltech ℛ	UF80B11SWH	115	80 x 80 x 25	24	Sleeve	140	14	UL/CUL/TUV/CE	35	12" leads	11.95	10.95	9.95	8.95
300258	Fulltech ℛ	UF80B11BTH	115	80 x 80 x 25	24	Ball	140	14	UL/CUL/TUV/CE	35	Terminals	13.95	12.49	10.95	9.95
212645	Elina	EP083815-LBL	115	80 x 80 x 38	24	Ball	110	9	UL/CSA/TUV/CE	32	12" leads	13.95	12.49	10.95	9.95
300582	Fulltech ℛ	UF80A11SWL	115	80 x 80 x 38	25	Sleeve	110	12	UL/CUL/TUV/CE	32	12" leads	13.95	12.49	10.95	9.95
300303	Fulltech ℛ	UF80A11BWL	115	80 x 80 x 38	25	Ball	110	11	UL/CUL/TUV/CE	32	12" leads	15.95	14.49	12.95	11.49
300330	Fulltech ℛ	UF80A11BTL	115	80 x 80 x 38	25	Ball	110	12	UL/CUL/TUV/CE	32	Terminals	15.95	14.49	12.95	11.49
300600	Fulltech ℛ	UF80A11BWH	115	80 x 80 x 38	29	Ball	120	12	UL/CUL/TUV/CE	36	12" leads	15.95	14.49	12.95	11.49
1950155	Sunon	SF11580A-1083HSL-GN	115	80 x 80 x 38	30	Sleeve	150	13	UL/CE/TUV	33	24" leads	13.95	12.49	10.95	9.95
300389	Fulltech ℛ	UF80A11BTH	115	80 x 80 x 38	30	Ball	120	12	UL/CUL/TUV/CE	36	Terminals	15.95	14.49	12.95	11.49
75433	Sunon ℛ	SF11592A-1092HSL	115	92 x 92 x 25	36	Sleeve	130	12	UL/CSA/TUV/CE	39	12" leads	13.95	12.49	10.95	9.95
303467	Sunon ℛ	SF11592A-1092HBL	115	92 x 92 x 25	37	Ball	110	12	UL/CSA/TUV/CE	40	12" leads	14.95	13.49	11.95	10.95
75460	Sunon ℛ	SF11592A-1092HBT-R	115	92 x 92 x 25	37	Ball	110	12	UL/CSA/TUV/CE	40	Terminals	16.95	14.95	13.49	11.95
1819376	NMB ℛ	4710PS12TB30A00	115	120 x 120 x 25	70.6	Ball	190	11	UL/CSA/VDE/CE	38	Terminals	14.95	13.49	11.95	10.95
1810048	Sunon ℛ	SP101AT-1122HBL.GN	115	120 x 120 x 25	78	Ball	180	18	UL/CUL/TUV/CE	46	12" leads	16.95	14.95	13.49	11.95
124063	Sunon ℛ	SP101AT-1122HBT	115	120 x 120 x 25	78	Ball	180	18	CSA/TUV/CE	46	Terminals	16.95	14.95	13.49	11.95
303361	Fulltech ℛ	UF12A11BTL1	115	120 x 120 x 38	64	Ball	80	15	UL/CUL/TUV/CE	37	Terminals	15.95	14.49	12.95	11.49
1585371	Sunon	SP103A-1123LBL	115	120 x 120 x 38	78	Ball	130	11	UL/CSA/TUV	39	6" w/ conn.	11.95	10.95	9.95	8.95
1918796	Jamicon	KA1238L1B0A0-T	115	120 x 120 x 38	78	Dual Ball	200	12	UL/CUL/CE	38	Terminals	14.95	13.49	11.95	10.95
300792	Fulltech ℛ	UF12A11STL	115	120 x 120 x 38	81	Sleeve	150	15	UL/CUL/TUV/CE	38	Terminals	14.95	13.49	11.95	10.95
303483	Fulltech ℛ	UF12A11SWL	115	120 x 120 x 38	82	Sleeve	150	12	UL/CUL/TUV/CE	38	12" leads	12.95	11.49	10.49	9.49
111895	Common Wealth ℛ	FP108-1-S1/W	115	120 x 120 x 38	105	Sleeve	180	17	UL/CSA/CE	47	12" leads	13.95	12.49	10.95	9.95
106586	Common Wealth ℛ	FP108-1-S1/T	115	120 x 120 x 38	105	Sleeve	180	12	UL/CSA/CE	47	Terminals	13.95	12.49	10.95	9.95
303415	Common Wealth	FP108-1-S1-B/W	115	120 x 120 x 38	105	Ball	200	17	UL/CSA/TUV/CE	47	12" leads	16.95	14.95	13.49	11.95
16935	Common Wealth ℛ	FP108-1-S1-B/T	115	120 x 120 x 38	105	Ball	200	17	UL/CSA/TUV/CE	47	Terminals	16.95	14.95	13.49	11.95
212600	Fulltech ℛ	UF12A11BWH	115	120 x 120 x 38	106	Ball	190	15	UL/CUL/TUV/CE	46	12" leads	15.95	14.49	12.95	11.49
1707163	Sunon ℛ	SP101A-1123HBL-GN	115	120 x 120 x 38	107	Ball	180	18	UL/CSA/TUV	50	12" leads	15.95	14.49	12.95	11.49
206309	Adda ℛ	AA1281UB-AT	115	120 x 120 x 38	107	Ball	230	24	UL/CUL/CE	48	Terminals	15.95	14.49	12.95	11.49
275793	Sunon ℛ	SP101A-1123HBT	115	120 x 120 x 38	107	Ball	180	18	UL/CUL/CE	50	Terminals	16.95	14.95	13.49	11.95
1918770	Jamicon	KA1238H1B110-T	115	120 x 120 x 38	110	Dual Ball	300	24	UL/CUL/CE	45	Terminals	12.95	11.49	9.95	8.95
303408	Sunon ℛ	SP100A-1123XBL	115	120 x 120 x 38	117	Ball	240	20	UL/CSA/TUV/CE	47	12" leads	17.95	15.95	14.49	12.95
102884	Sunon ℛ	SP100A-1123XBT	115	120 x 120 x 38	117	Ball	240	20	UL/CUL/TUV/CE	50	Terminals	17.95	15.95	14.49	12.95
108725	Fulltech ℛ	UF15AC11BTH	115	172 x 150 x 38	211	Ball	230	28	UL/CUL/TUV/CE	58	Terminals	36.95	34.95	32.95	29.95
2099454	Adda ℛ	AA1751MB-AW	115	172 x 150 x 51	186	Ball	350	29.8	UL/CUL/TUV/CE	50.5	12" leads	29.95	26.95	23.95	21.49
189684	Fulltech ℛ	UF15PC12BTH	115	172 x 150 x 51	226	Ball	250	30	CSA	58	Terminals	34.95	32.95	29.95	26.95
212582	Fulltech ℛ	UF15PC11BWH	115	172 x 150 x 51	226	Ball	250	30	UL/CUL/TUV/CE	58	12" leads	36.95	34.95	32.95	29.95
1950956	Arctic	KEST-481BW	115	172 x 150 x 51	260	Ball	620	46	UL/CE/TUV	61	12" leads	34.95	32.95	29.95	26.95
1810128	Common Wealth	FP-108AX-S1-B (220)	220	80 x 80 x 25	21	Ball	120	13	UL/CSA/TUV/CE	29	13" leads	16.95	14.95	13.49	11.95
2099471	Adda ℛ	AA8382MX-AT	220	80 x 80 x 38	24	Hypro	50	6.8	UL/CUL/TUV/CE	25.3	Terminals	14.95	13.49	11.95	10.95
100918	Sunon ℛ	SF23080A/2083HSL	220	80 x 80 x 38	30	Sleeve	60	13.5	UL/CSA/TUV/CE	35	12" leads	16.95	14.95	13.49	11.95
355630	Fulltech ℛ	UF-80A23-BTH-R	220	80 x 80 x 38	30	Ball	60	12	UL/CSA/VDE/CE	36	Terminals	16.95	14.95	13.49	11.95
209365	Bi-Sonic	4C-230LB	220	120 x 120 x 38	63	Ball	60	9	TUV/CE	34	10" leads	15.95	14.49	12.95	11.49
302244	Comair Rotron ℛ	28023	220	120 x 120 x 38	88	Ball	130	28.6	UL/CSA	50.7	Terminals	14.95	13.49	11.95	10.95
1918753	Jamicon	KA1238H2B01	220	120 x 120 x 38	89	Dual Ball	200	23	UL/CUL/TUV/CE	42	Terminals	13.95	12.49	10.95	9.95
1918761	Jamicon	KA1238H2B12	220	120 x 120 x 38	110	Ball	200	24	UL/CUL/TUV/CE	45	Terminals	12.95	11.49	9.95	8.95
1585346	Sunon	A2123-HBL	220	120 x 120 x 38	117	Ball	120	20	UL/CUL/TUV	50	17" leads	14.95	13.49	11.95	10.95
303459	Sunon ℛ	DP200A-2123XBL	220	120 x 120 x 38	117	Ball	120	21	UL/CSA/TUV/CE	50	12" leads	15.95	14.49	12.95	11.49
1585338	Sunon	A2123-HBT	220	120 x 120 x 38	117	Ball	120	20	UL/CUL/TUV	50	Terminals	14.95	13.49	11.95	10.95
102892	Sunon ℛ	DP200A-2123XBT	220	120 x 120 x 38	117	Ball	120	21	UL/CSA/TUV/CE	50	Terminals	17.95	15.95	14.49	12.95
1809872	Sunon	A2175-HBT	220	172 x 150 x 51	239	Ball	110	25	UL/TUV/CE	51	Terminals	29.95	26.95	23.95	19.95
1950964	Arctic	KEST-482BW	220	172 x 150 x 51	256	Ball	400	58	UL/TUV/CE	58	12" leads	32.95	29.95	26.95	23.95

AC-to-AC & AC-to-DC Regulated Switching Wall Adapters

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JAMECO ReliaPro

AC-to-AC Wall Adapters

Screw Terminals — Female — Male

Input: 120VAC @ 60Hz

One-Year Warranty

★Web Code: ABQ

1954949 176604 185439 206439

We specialize in Wall Adapters – Call for additional OEM PRICING.
We are happy to change any listed DC wall adapter power plug to a connector of your choice (see pg 126) for just $2.50 each. A 100 pc. minimum order applies.

Part No.	Manufacturer	Manufacturer Part No.	Output Rating Voltage (VAC)	Output Rating Current (mA)	Output Connector ID x OD mm Female/Male	Size (H" x W" x D")	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing 1	Pricing 10	Pricing 50	Pricing 100
2082521	Atlinks	5-2634	5	400	2.1mm x 5.5mm right angle **F**	2.0 x 1.4 x 1.3	White	6'	0.4	UL/CSA	$3.95	$3.59	$3.25	$2.95
2082530	Atlinks	5-2633	5	400	2.1mm x 5.5mm right angle **F**	2.0 x 1.4 x 1.3	Black	6'	0.4	UL/CSA	4.95	4.49	3.95	3.59
249017	ReliaPro	ACU070150	7	1500	2.5mm x 5.5mm **F**	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CSA	9.95	8.95	7.95	7.29
100061	ReliaPro	ACU090050	9	500	2.1mm x 5.5mm **F**	2.7 x 1.9 x 1.7	Black	6'	0.6	UL/CUL	7.95	7.29	6.59	5.95
1950921	ITI	AM-9700ALF	9	700	Screw terminals	2.8 x 2.0 x 1.7	White	—	0.6	UL	6.95	6.25	4.95	3.95
236814	ReliaPro	ACU090080	9	800	3.5mm **M**	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	5.95	5.35	4.79	4.29
1581281	OEM	AA-091A	9	1000	2.1mm x 5.5mm **F**	2.2 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	6.95	6.25	5.59	4.95
102234	ReliaPro	ACU090100Z8182	9	1000	2.1mm x 5.5mm **F**	3.2 x 2.2 x 1.9	Black	6'	0.6	UL/CSA	8.95	7.95	7.29	6.49
1586154	Arndt	AA091A	9	1000	2.5mm x 5.5mm **F**	2.2 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	7.95	6.95	6.25	5.59
157041	ReliaPro	ACU090100E8942	9	1000	2.5mm x 5.5mm **F**	2.1 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	8.95	7.95	7.29	6.49
112336	ReliaPro	ACU090150	9	1500	2.5mm x 5.5mm **F**	2.5 x 2.2 x 2.0	Black	6'	0.9	UL	10.95	9.95	8.95	7.95
688634	Arndt	PP-1012-A	10	1200	2.5mm x 5.5mm **F**	3.5 x 2.5 x 1.9	Black	6'	1.3	UL	9.95	8.95	7.95	6.95
2076543	Radio Shack	15-1963	12	400	2.1mm x 5.5mm **F**	2.6 x 1.7 x 1.6	Black	6'	0.6	UL/CSA	5.95	5.35	4.79	4.29
101258	ReliaPro	ACU120050	12	500	2.1mm x 5.5mm **F**	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	6.95	6.25	5.59	4.95
2076666	CIC	48A12-500Q	12	500	2.5mm x 5.5mm right angle **F**	3.3 x 2.6 x 2.0	Black	6'	1.0	CSA	5.95	5.35	4.79	4.29
10081	ReliaPro	ACU120100J0920	12	1000	2.1mm x 5.5mm **F**	2.6 x 2.4 x 2.0	Black	6'	0.7	UL/CSA	9.95	8.95	8.95	7.29
100167	ReliaPro	A411201000U	12	1000	2.5mm x 5.5mm **F**	3.2 x 2.4 x 2.0	Black	6'	0.7	UL/CSA	9.95	8.95	7.95	7.29
10428	ReliaPro	ACU120100Z9121	12	1000	3.5mm **M**	2.6 x 2.4 x 2.0	Black	6'	0.6	UL/CUL	9.95	8.95	7.95	7.29
167151	ReliaPro	ADU120150	12	1500	2.1mm x 5.5mm **F**	3.4 x 2.7 x 2.2	Black	6'	1.5	UL/CUL	10.95	9.95	8.95	7.95
307838	ReliaPro	ADU120160H4120	12	1600	2.5mm x 5.5mm **F**	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	12.49	9.95	7.49	6.75
153761	ReliaPro	ADU120160C2521	12	1600	3.5mm **M**	2.5 x 2.2 x 1.9	Black	6'	0.9	UL	12.49	9.95	7.49	6.75
206404	Arndt	MGT1220	12	1670	Screw terminals with green LED	3.2 x 2.2 x 1.9	White	—	0.9	UL/CSA	9.95	8.95	7.95	7.29
2082564	ReliaPro	GPU1355000	13.5	5000	2.1mm x 5.5mm **F (Table-Top style)**	4.7 x 3.2 x 2.5	Black	6'	2.4	—	22.95	20.49	18.95	16.95
1954949	Creative	UA1450✪	13.5	5000	2.1mm x 5.5mm **F (Table-Top style)**	3.1 x 2.9 x 2.5	Black	6'/6'	2.4	UL/CUL	24.95	22.49	19.95	17.95
171408	ReliaPro	ACU140050	14	500	2.1mm x 5.5mm **F**	2.8 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	9.95	8.95	7.95	6.95
318684	Horizon	ACU140085	14	850	2.5mm x 5.5mm right angle **F**	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	12.95	11.49	9.95	8.95
100108	ReliaPro	ADU160100	16	1000	2.1mm x 5.5mm **F**	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	10.95	9.95	8.95	7.95
163053	ReliaPro	ADU160110	16	1100	2.5mm x 5.5mm **F**	3.2 x 2.3 x 1.8	Black	6'	1.1	UL/CSA	10.95	9.95	8.95	7.95
176604	ReliaPro	BHU160400	16	4000	2.1mm x 5.5mm **F (Table-Top style)**	4.4 x 3.1 x 2.5	Black	6'/6'	2.8	—	19.95	17.95	15.95	13.95
2082142	Ault	308-2018	18	900	Screw terminals	1.88 x 2.18 x 1.95	Beige	—	0.7	UL	9.95	8.95	7.95	6.95
121216	ReliaPro	ADU180100	18	1000	2.1mm x 5.5mm **F**	3.1 x 2.7 x 1.9	Black	6'	1.1	UL/CUL	10.95	9.95	8.95	7.95
185439	Ault	AFU180185	18	1850	2.1mm x 5.5mm right angle **F**	3.3 x 2.7 x 2.2	Black	6'	1.7	—	13.95	12.49	10.95	9.95
2076631	Ault	T57-182200	18	2200	2.1mm x 5.5mm **F**	3.2 x 2.6 x 2.2	Black	5'6"	1.2	UL/CSA	14.95	13.49	11.95	10.95
87581	ReliaPro	ADU240050	24	500	2.1mm x 5.5mm **F**	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	8.95	7.95	7.29	6.49
206439	Arndt	MGT2420	24	830	Screw terminals with green LED	3.2 x 2.2 x 1.9	White	—	0.9	UL/CSA	10.95	9.95	8.95	7.95
140599	ReliaPro	ADU240100D5531	24	1000	2.1mm x 5.5mm **F**	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	10.95	9.95	8.95	7.95
10102	ReliaPro	ADU240100E0461	24	1000	3.5mm **M**	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	10.95	9.95	8.95	7.95
176356	ReliaPro	AFU240125	24	1250	2.1mm x 5.5mm **F**	3.4 x 2.7 x 2.2	Black	5'8"	1.6	—	12.95	11.49	9.95	8.95

✪ Blue Part No. = Limited Quantity Available

JAMECO ReliaPro

AC-to-DC "Slim Line" Regulated Switching Wall Adapters

Output connector: 2.1mm x 5.5mm F2 (center positive)

Compact in size and lightweight, they are the perfect power solution in all those applications where space is critical. And their high efficiency satisfies requirements for minimizing power losses. You no longer have to deal with traditional wall adapters that block unused outlets in wall plates and power strips/surge protectors.

- 2-wire AC input
- Output cord length: 6'
- Input voltage: 100 – 240VAC @ 47-63Hz
- Color: black
- One-year warranty

All are UL/CUL;
Only Non-CEC are TUV/CE

★Web Code: CBQ

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CEC Equivalents Available Below

Choose from 2 Models! Non-CEC P/N	CEC Part No.	Output Rating Volt (VDC)	Output Rating Curr. (mA)	Size (H"xW"xD")	Wt. (lbs.)	Pricing 1	Pricing 10	Pricing 50	Pricing 100
—	251565	3.3	1500	2.5x1.1x1.7	0.2	$11.95	$10.95	$9.49	$8.49
—	251600	3.3	2500	2.9x1.1x1.7	0.3	12.95	11.49	9.95	8.95
252701ℛ	—	5	500	2.9x1.1x1.7	0.3	10.95	9.95	8.95	7.95
252719ℛ✔✪	252720	5	1000	2.5x1.1x1.7	0.2	12.95	11.49	9.95	8.95
252727ℛ✔	252728	5	1500	2.5x1.1x1.7	0.2	13.95	12.49	10.95	9.95
—	252736	5	2500	2.9x1.3x2.2	0.3	14.95	13.49	11.95	10.49
2082222ℛ	—	5	3000	2.9x1.3x2.2	0.3	14.95	12.95	10.95	8.95
—	252753	9	500	2.5x1.1x1.7	0.2	11.95	10.95	9.95	8.95
—	1950841	9	1000	2.5x1.1x1.7	0.2	13.95	12.49	10.95	9.95
—	252779	9	1200	2.9x1.3x2.2	0.3	13.95	12.49	10.95	9.95
252786ℛ	—	9	1500	2.9x1.3x2.2	0.3	15.95	14.49	12.95	11.49

✔ CEC equivalent available — CEC — ✪ Blue Part No. = Limited Quantity Available

Choose from 2 Models! Non-CEC P/N	CEC Part No.	Output Rating Volt (VDC)	Output Rating Curr. (mA)	Size (H"xW"xD")	Wt. (lbs.)	Pricing 1	Pricing 10	Pricing 50	Pricing 100
252794ℛ✔	252795	12	250	2.5x1.1x1.7	0.2	$9.95	$8.95	$7.95	$6.95
—	252808	12	500	2.5x1.1x1.7	0.2	10.95	9.95	8.95	7.95
252815ℛ✔✪	252816	12	600	2.5x1.1x1.7	0.2	11.95	11.49	10.49	9.49
—	252824	12	1000	2.9x1.3x2.2	0.3	13.95	12.49	10.95	9.95
—	252833	12	1250	2.9x1.3x2.2	0.3	13.95	12.49	10.95	9.95
2082071ℛ	—	12	2000	2.9x1.3x2.2	0.3	15.95	14.49	12.95	11.49
252891ℛ✪	—	15	500	2.9x1.3x1.7	0.2	11.95	10.95	9.95	8.95
254757ℛ	—	15	800	2.9x1.3x2.2	0.2	12.95	11.49	10.49	9.49
—	252904	15	1000	2.9x1.3x2.2	0.3	13.95	12.49	10.95	9.95
252849	—	24	130	2.5x1.1x1.7	0.2	8.95	7.95	6.95	6.25
252858ℛ	—	24	250	2.5x1.1x1.7	0.2	10.95	9.95	8.95	7.95
252866ℛ	—	24	500	2.9x1.3x2.2	0.3	11.95	10.95	9.95	8.95
—	2076341	24	630	2.9x1.3x2.2	0.3	12.95	11.49	10.49	9.49

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

AC-to-DC Regulated Switching Wall Adapters

NEW MARKED IN PINK

★Web Code: CDZ

◆ Polarity 1 (center negative)
Polarity 2 (center positive)
Female(F) Male(M)

We specialize in Wall Adapters – Call for additional OEM PRICING.
We are happy to change any listed DC wall adapter power plug to a connector of your choice (see pg 126) for just $2.50 each.
A 100 pc. minimum order applies.

Female Straight

Female Right Angle

1946121

1707112

Part No.	Manufacturer	Manufacturer Part No.	Output Rating Volt. (VDC)	Output Rating Current (mA)	Output Connector ID x OD mm Female/Male; Polarity ◆	Input VAC @ Hz	Size (H" x W" x D")	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing 1	Pricing 10	Pricing 50	Pricing 100
1809805	Globtek ℛ	WR9HA1000C9P-F(R)	5	1000	2.1mm x 5.5mm F 2	100-240@50-60	2.1 x 1.2 x 1.6	Black	6'	0.2	UL/CUL/CE	$10.95	$9.95	$8.95	$7.95
1940660	Mean Well ℛ	GS06U1P1J	5	1000	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CEC	12.49	10.95	9.95	8.95
1950981	Philips	AY3192/17	5	2000	1.7mm x 4.0mm F 2	100-240@50-60	3.1 x 1.4 x 1.3	Black	6'	0.3	UL/CUL	11.49	9.95	8.95	7.95
157340	D-Link	AF1205B	5	2000	2.1mm x 5.5mm F 2	100-120@50-60	2.4 x 1.4 x 1.1	Black	6'	0.3	UL/CUL/TUV	10.95	9.95	8.95	7.95
210894	ReliaPro ℛ	SYS1193-1005	5	2000	2.1mm x 5.5mm F 2	100-240@47-63	2.9 x 1.4 x 2.2	Black	6'	0.2	UL/CUL	12.95	11.49	10.49	9.49
1940740	Mean Well ℛ	GS12U05P1I	5	2000	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	4'	0.3	UL/CUL/CEC	12.95	11.49	10.49	9.49
189190	Interex	EPA101MU-05B	5	2000	2.5mm x 5.5mm F 1	100-240@50-60	3.2 x 2.8 x 1.3	Black	6'	0.4	UL/CUL	12.95	11.49	10.49	9.49
1954199	Mean Well ℛ	GS15U-1P1J	5	2400	2.1mm x 5.5mm F 2	90-264@47-63	2.8 x 1.3 x 2.0	Black	6'	0.4	UL/CUL/CEC	17.95	15.95	13.95	12.49
689864	DVE ℛ	DSA-0151A-05	5	2400	2.5mm x 5.5mm right angle F 2	100-120@50-60	3.2 x 2.1 x 1.4	Black	6'	0.5	UL/CUL	14.95	13.95	12.95	11.95
1919158	Compaq	281855-001	5	3000	1.3mm x 3.5mm F 2	100-240@50-60	3.1 x 1.4 x 2.2	Black	6'	0.3	UL/CUL/TUV/CE	14.95	13.95	12.95	11.95
1952863	Mean Well ℛ	GS18U05-P1J	5	3000	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	4'	0.5	UL/CUL/CEC	15.95	14.95	13.95	12.95
1946121	Protech	BSA-15-105B	5	3000	2.5mmx 5.5mm right angle F 2	100-120@57-63	2.9 x 2.0 x 1.7	Black	6'	0.5	UL/CSA	15.95	14.95	13.95	12.95
379622	Mean Well ℛ	ES25U05-P1J	5	4000	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	16.49	14.95	13.49	12.49
379623	Mean Well ℛ	GS25U05-P1J	5	4000	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	16.49	14.95	13.49	12.49
2082011	Friwo	MPA3U	6	400	2.1mm x 5.5mm right angle F 2	100-240@50-60	2.8 x 2.0 x 0.7	Black	6'	0.3	UL/CUL	11.95	10.49	9.49	8.49
2095429	Phihong	PSMIIR-060	6	1660	2.1mm x 5.5mm F 2	100-240@50-60	2.8 x 1.8 x 1.2	Black	6'	0.3	UL/CUL/CE	19.95	17.95	15.95	13.95
1918702	Globtek ℛ †	GT-41052-1506	6	2500	2.5mm x 5.5mm right angle F 2	100-240@50-60	2.9 x 1.7 x 1.5	Black	6'	0.5	UL/CUL/CE	24.95	22.49	19.95	17.95
1940678	Mean Well ℛ	GS06U-11P1J	7.5	800	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CEC	12.49	10.95	9.95	8.95
1940758	Mean Well ℛ	GS12U07/P1I	7.5	1600	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL/CEC	12.95	11.49	10.49	9.49
380008	Mean Well ℛ ✔	ES25U07-P1J	7.5	2930	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.95	14.49	12.95	11.95
380332	Mean Well ℛ	ES25U07-P1M	7.5	2930	2.5mm x 5.5mm F 2	100-240@50-60	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	16.95	15.49	13.95	12.95
1940686	Mean Well ℛ	GS06U-2P1J	9	660	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CEC	12.49	10.95	9.95	8.95
2099850	Ault	HES12-090130	9	1300	2.1mm x 5.5mm F 2	100-240@50-60	2.4 x 1.8 x 1.3	Black	6'	0.3	UL/CUL/CE	11.95	10.95	9.95	8.95
1940766	Mean Well ℛ	GS12U09-P1I	9	1330	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL	12.95	11.49	10.49	9.49
1952847	Mean Well ℛ	GS18U09-P1J	9	2000	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	15.95	14.95	13.95	12.95
380140	Mean Well ℛ	GS25U09-P1J	9	2780	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	16.49	14.95	13.49	12.49
1940694	Mean Well ℛ	GS06U-3P1J	12	500	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CE	12.49	10.95	9.95	8.95
1955036	Arndt	26092★	12	700	2.1mm x 5.5mm F 2	95-240@47-63	4.0 x 2.3 x 1.1	Black	5.5'	0.4	UL/CUL	10.95	9.49	8.49	7.49
1940774	Mean Well ℛ	GS12U12-P1I	12	1000	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL/CEC	12.95	11.49	10.49	9.49
159354	Group West ℛ	TRC-12-1200	12	1200	2.1mm x 5.5mm F 2	100-240@50-60	3.0 x 1.9 x 1.0	Black	6'	0.2	UL/CUL/CE	10.95	9.49	8.49	7.49
1954623	Dee Van	DSA-0151A-12	12	1250	2.1mm x 5.5mm F 2	100-120@50-60	3.1 x 2.1 x 1.4	Black	6'	0.5	UL/CUL	14.95	13.49	11.95	10.95
1954201	Mean Well ℛ	GS15U-3P1J	12	1250	2.1mm x 5.5mm F 2	90-264@47-63	2.8 x 1.3 x 2.0	Black	6'	0.4	UL/CUL/CE	17.95	15.95	13.95	12.49
2082062	Ktec	KSAD1200	12	1500	2.1mm x 5.5mm F 2	100-240@50-60	3.2 x 1.7 x 1.3	Black	4'	0.3	UL/CUL	12.95	11.49	9.95	8.95
2082054	APD	WA-18G12U	12	1500	2.1mm x 5.5mm F 2	100-240@50-60	3.0 x 1.9 x 1.5	Black	6'	0.4	UL/CUL/TUV	12.95	11.49	9.95	8.95
1952855	Mean Well ℛ	GS18U12-P1J	12	1500	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.2	UL/CUL/CE/CEC	15.95	14.95	13.95	12.95
2099892	DVE	DSA-0151F-12	12	1500	2.5mm x 5.5mm F 2	100-240@50-60	3.1 x 2.1 x 1.6	Black	6'	0.4	UL/CUL/CE	19.95	17.95	15.95	13.95
1950497	ReliaPro	SYS1308-2412	12	2000	2.1mm x 5.5mm F 2	100-240@50-60	2.9 x 1.3 x 1.7	Black	6'	0.4	UL/CUL/CE	15.95	14.49	12.95	11.49
2082134	ReliaPro	ST-122A	12	2000	Screw terminals	100-240@50-60	3.8 x 2.1 x 1.6	Black	—	0.4	UL/CUL/CEC	16.95	15.49	13.95	12.95
380156	Mean Well ℛ	GS25U12-P1J	12	2080	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE/CEC	16.49	14.95	13.49	12.49
380358	Mean Well ℛ	ES25U12-P1M-R	12	2080	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.3	UL/CUL/CE	17.49	15.95	14.49	13.49
1940707	Mean Well ℛ	GS06U-4P1J	15	400	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CEC	12.49	10.95	9.95	8.95
1707112	Mean Well	SW12U15-P1I	15	800	2.1mm x 5.5mm F 2	100-240@50-60	2.6 x 2.0 x 1.0	Black	6'	0.5	UL/CUL/CE	11.95	10.49	9.49	8.49
1940782	Mean Well ℛ	GS12U15-P1I	15	800	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL/CEC	12.95	11.49	10.49	9.49
1952871	Mean Well ℛ	GS18U15-P1J	15	1200	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 2.1 x 1.4	Black	6'	0.4	UL/CUL/CE/CEC	15.95	14.95	13.95	12.95
380173	Mean Well ℛ	GS25U15-P1J	15	1670	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	16.49	14.95	13.49	12.49
1940715	Mean Well ℛ	GS06U-5P1J	18	330	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CEC	12.49	10.95	9.95	8.95
1940791	Mean Well ℛ	GS12U18-P1I	18	670	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL/CEC	12.95	11.49	10.49	9.49
380190	Mean Well ℛ	ES25U18-P1J	18	1380	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	16.49	14.95	13.49	12.49
380191	Mean Well ℛ	GS25U18-P1J	18	1380	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 1.2 x 1.3	Black	6'	0.5	UL/CUL/CEC	16.49	14.95	13.49	12.49
1940723	Mean Well ℛ	GS06U-6P1J	24	250	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CEC	12.49	10.95	9.95	8.95
1940803	Mean Well ℛ	GS12U24-P1I	24	500	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL/CEC	12.95	11.49	10.49	9.49
1952898	Mean Well ℛ	GS18U24-PIJ	24	750	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	15.95	14.95	13.95	12.95
380202	Mean Well ℛ	GS25U24-P1J	24	1040	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	16.49	14.95	13.49	12.49
380220	Mean Well ℛ	GS25U28-P1J	28	890	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 2.1 x 1.3	Black	6'	0.6	UL/CUL/CEC	16.49	14.95	13.49	12.49
380412	Mean Well ℛ	ES25U36-P1M	36	690	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	16.49	14.95	13.49	12.49
380244	Mean Well ℛ	GS25U48-P1J	48	520	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	16.49	14.95	13.49	12.49

★ With light indicator † Includes 4 each interchargeable plug kit ✔ CEC equivalent available CEC

JAMECO ReliaPro

3-Prong Wall Adapter Enclosure

- 3-prong power plug and cable strain relief
- Material: noryl • Color: black

Part No.	Style	Size (H x W x D)	1	10	100
115052	Non-vented ℛ	3.4" x 2.7" x 2.3"	$2.25	$1.95	$1.75

Looking for a Different Output Connector?
We are happy to change any listed DC wall adapter power plug to a connector of your choice (see pg 126) for just $2.50 each. A 100 pc. minimum order applies.

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

JAMECO ReliaPro

◆ Polarity 1 (center negative)
Polarity 2 (center positive)
Female(F) Male(M)

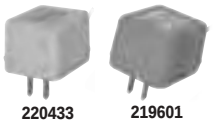
AC-to-DC Unregulated Linear Wall Adapters

120VAC @ 60Hz

We specialize in Wall Adapters – Call for additional OEM PRICING.

NEW MARKED IN PINK

We are happy to change any listed DC wall adapter power plug to a connector of your choice (see pg 126) for just $2.50 each. A 100 pc. minimum order applies.



220433 219601

★ Web Code: UAP

Part No.	Manufacturer	Manufacturer Part No.	Output Rating Voltage (VDC)	Output Rating Current (mA)	Output Connector ID x OD mm Female/Male; Polarity ◆	Size (H" x W" x D")	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing 1	Pricing 10	Pricing 50	Pricing 100
112070	ReliaPro	DBU050022Z5480	5	225	2.5mm x 5.5mm F **2**	1.9 x 2.2 x 2.0	Black	7'	0.3	UL/CSA	$5.95	$5.35	$4.79	$4.39
155601	ReliaPro	DCU050100B3582	5	1000	2.1mm x 5.5mm F **2**	2.6 x 2.0 x 1.7	Black	6'	0.7	UL/CSA	9.95	8.95	7.95	6.95
1918657	ReliaPro	DDU050100	5	1000	2.5mm x 5.5mm F **2**	3.2 x 2.2 x 1.9	Black	6'	0.7	UL/CUL	10.95	9.95	8.95	7.95
237251	Freeplay	DPX350817	6	100	2.1mm x 5.5mm F **2**	2.4 x 1.7 x 1.4	Black	6'	0.4	UL/CSA	3.95	3.59	3.19	2.89
302439	Dynage	LF06300D-08	6	300	2.1mm x 5.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	5.95	5.35	4.79	4.39
2099551	Fuhua	UE-3560300D	6	300	2.5mm x 5.5mm F **2**	2.2 x 1.7 x 1.7	Black	6'	0.4	UL/CUL	5.95	5.35	4.79	4.39
119255	ReliaPro	DBU060050Z2251	6	500	2.1mm x 5.5mm F **1**	2.3 x 1.8 x 1.8	Black	6'	0.6	UL/CUL	6.95	6.25	5.59	4.95
101266	ReliaPro	DBU060050E3860	6	500	2.1mm x 5.5mm F **2**	2.4 x 1.9 x 1.6	Black	6'	0.4	UL/CSA	6.95	6.25	5.59	4.95
15544	ReliaPro	DBU060050Z8371	6	500	3.5mm M **2**	2.4 x 1.9 x 1.6	Black	6'	0.4	UL/CSA	6.95	6.25	5.59	4.95
2081431	PEI	DV-0670-B14	6	700	2.1mm x 5.5mm F **2**	2.4 x 2.0 x 1.6	Black	6'	0.5	UL/CUL	6.95	6.25	5.59	4.79
147707	ReliaPro	DBU060080C6962	6	800	2.1mm x 5.5mm F **2**	2.3 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	7.49	6.65	5.95	4.95
220943	ReliaPro	DCU060120G2401	6	1200	2.1mm x 5.5mm F **1**	2.5 x 2.0 x 1.7	Black	6'	0.7	UL/CUL	8.95	7.95	6.95	5.95
2095154	Thomson	5-2760	7.5	500	2.1mm x 5.5mm right angle F **2**	2.5 x .96 x 1.4	Black	6'	0.4	UL/CUL	6.95	6.25	5.59	4.95
220951	ReliaPro	DCU075100G2291	7.5	1000	2.1mm x 5.5mm F **1**	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	8.95	7.95	6.95	5.95
248751	Uniq	AD-071A	7.5	1000	2.5mm x 5.5mm F **2**	2.3 x 2.3 x 1.9	Black	6'	0.9	UL/CSA	6.95	6.25	5.59	4.95
280250	ReliaPro	DDU075110G9521	7.5	1100	2.1mm x 5.5mm F **2**	2.9 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	8.95	7.95	6.95	5.95
127511	ReliaPro	DDU080100E2281	8	1000	2.1mm x 5.5mm F **2**	3.1 x 2.5 x 2.1	Black	6'	1.3	UL	9.95	8.95	7.95	6.95
355936	ReliaPro	DBU090020	9	200	1.3mm x 3.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	5.95	5.35	4.79	4.39
134025	ReliaPro	DBU090020Z6100	9	200	2.1mm x 5.5mm F **1**	2.1 x 1.7 x 1.6	Black	6'	0.4	UL/CSA	5.95	5.35	4.79	4.39
100845	ReliaPro	DBU090020E0850	9	200	2.1mm x 5.5mm F **2**	2.1 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	5.95	5.35	4.79	4.39
2082556	Thomson	5-2616	9	200	2.1mm x 5.5mm right angle F **2**	2.2 x 1.4 x 1.4	Black	6'	0.5	UL/CUL	4.95	4.49	3.95	3.59
2082548	Atlinks	5-2617	9	200	2.1mm x 5.5mm right angle F **2**	2.2 x 1.4 x 1.4	Gray	6'	0.5	UL/CUL	3.95	3.59	3.25	2.95
100837	ReliaPro	DBU090020Z5490	9	200	3.5mm M **2**	2.6 x 1.8 x 1.6	Black	6'	0.4	UL/CSA	5.95	5.35	4.79	4.39
2082572	Atlinks	5-2677	9	210	2.1mm x 5.5mm right angle F **2**	2.2 x 1.4 x 1.4	Black	6'	0.5	UL/CUL	5.25	4.79	4.25	3.79
133891	ReliaPro	DBU090030C112	9	300	2.1mm x 5.5mm F **2**	2.0 x 1.5 x 1.5	Black	6'	0.4	UL/CSA	5.95	5.35	4.79	4.39
318676	ReliaPro	DBU090030H5790	9	300	2.5mm x 5.5mm F **1**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	5.95	5.39	4.79	4.39
1949120	Various	AD35-0900300DU	9	300	2.5mm x 5.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL	4.95	4.49	3.95	3.59
189238	ReliaPro	DBU090030H4540	9	300	2.5mm x 5.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	5.95	5.35	4.79	4.39
202155	ReliaPro	DBU090035F1982	9	350	2.1mm x 5.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.3	UL/CUL	5.95	5.39	4.79	4.29
1954615	Mei Int.	MADA-2131	9	350	2.5 mm M **1**	2.2 x 1.7 x 1.5	Black	6'	0.3	UL/CUL	4.95	4.49	3.95	2.95
140636	ReliaPro	DCU090040C6351	9	400	2.5mm x 5.5mm F **2**	2.6 x 2.0 x 2.0	Black	6'	0.6	UL/CSA	5.95	5.35	4.79	4.25
163628	ReliaPro℞	DCU090050Z7484	9	500	2.1mm x 5.5mm F **1**	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	6.95	6.25	5.59	4.95
100853	ReliaPro	DCU090050E2961	9	500	2.1mm x 5.5mm F **2**	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	6.95	6.25	5.59	4.95
147731	ReliaPro+	AD-11950	9	500	2.1mm x 5.5mm F **2**	2.6 x 2.0 x 1.7	Beige	6'	0.6	UL/CSA	6.95	6.25	5.59	4.95
236937	ReliaPro	DCU090050G6440	9	500	2.5mm x 5.5mm right angle F **2**	2.5 x 2.0 x 1.7	Black	6'	0.4	UL/CSA	6.95	6.25	5.59	4.95
1586162	CUI Stack	DPD090050	9	500	3.5mm M **2**	2.3 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	5.95	4.95	4.29	3.69
15561	ReliaPro	DCU090050A2011	9	500	3.5mm M **2**	2.5 x 2.0 x 1.6	Black	6'	0.5	UL/CSA	6.95	6.25	5.59	4.95
202180	ReliaPro	DCU090060F2091	9	600	2.1mm x 5.5mm F **2**	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	6.95	6.25	5.59	4.95
100175	ReliaPro	DCU090060Z6652	9	600	2.5mm x 5.5mm F **2**	2.7 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	6.95	6.25	5.59	4.95
652341	Cidco	SPA-4180-65	9	600	2.5mm x 5.5mm right angle F **2**	2.6 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	4.95	3.95	2.95	2.25
202198	ReliaPro	DCU090080F2221	9	800	2.1mm x 5.5mm F **2**	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	8.95	7.95	6.95	5.95
421577	Powerline	0900-12	9	850	2.5mm x 5.5mm F **2**	2.7 x 2.1 x 1.7	Black	6'	0.8	UL/CSA	6.95	6.25	5.59	3.95
164929	ReliaPro	DDU090100C2550	9	900	2.1mm x 5.5mm F **1**	2.7 x 2.3 x 1.8	Black	6'	0.9	UL/CUL	8.95	7.95	6.95	5.95
421690	Fisher Price	SA48-29A	9	1000	2.1mm x 5.5mm F **2**	3.1 x 2.2 x 1.8	Black	6'	1.1	UL/CSA	6.95	5.95	4.95	3.95
364576	ReliaPro	DDU090100J0490	9	1000	2.1mm x 5.5mm F **2**	2.9 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	9.95	8.95	7.95	6.95
227774	GTE	ADP2108GT	9	1000	2.1mm x 5.5mm right angle F **2**	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	7.95	6.95	5.95	4.95
2099905	Golden Regent	W48D-H1000	9	1000	2.5mm x 5.5mm F **1** (US plug)	3.2 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	9.95	8.95	7.95	6.95
2099913	ENG*	T48-9-1000D3	9	1000	2.5mm x 5.5mm F **1** (Euro plug)	3.2 x 2.3 x 1.9	Black	6'	0.9	CE/TUV	8.95	7.95	6.95	6.25
2099921	ENG*	T48-9-1000D4	9	1000	2.5mm x 5.5mm F **1** (UK plug)	3.2 x 2.3 x 1.9	Black	6'	0.9	CE/TUV	8.95	7.95	6.95	6.25
127505	ReliaPro℞	DDU090100	9	1000	2.5mm x 5.5mm F **2**	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	9.95	8.95	7.95	6.95
1586082	GTE	ADP2108GT (2.5)	9	1000	2.5mm M **2**	2.6 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	7.95	6.95	5.95	4.95
15587	ReliaPro	DDU090100Z9081	9	1000	3.5mm M **2**	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	9.95	8.95	7.95	6.95
130526	ReliaPro	DDE090120F3621	9	1200	2.1mm x 5.5mm F **1**	2.4 x 2.0 x 1.8	Black	6'	1.0	UL/CSA	10.95	9.95	8.95	7.95
143693	ReliaPro	DFU0901500A3040	9	1500	2.1mm x 5.5mm F **2**	3.3 x 2.5 x 2.3	Black	6'	1.3	UL/CSA	12.95	11.49	9.95	8.95
163993	ReliaPro	DBU120020E2291	12	200	2.1mm x 5.5mm right angle F **1**	2.4 x 1.7 x 1.6	Black	6'	0.4	UL/CSA	5.49	4.95	4.75	4.29
100095	ReliaPro	DBU120020G0610	12	200	2.1mm x 5.5mm F **2**	2.1 x 1.8 x 1.5	Black	6'	0.4	UL/CSA	5.49	4.95	4.75	4.29
158043	ReliaPro	DBU120020E2261	12	200	2.1mm x 5.5mm right angle F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	5.95	5.39	4.59	3.95
185658	ReliaPro	DBU120020G1710	12	200	2.5mm x 5.5mm right angle F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	6.95	6.25	5.59	4.95
220433	ReliaPro	DBU120020G1220	12	200	2.5mm x 5.5mm right angle F **2**	2.2 x 1.7 x 1.5	Lt. Gray	6'	0.4	UL/CSA	6.95	6.25	5.59	4.95
219601	ReliaPro	DCU120025G0051	12	250	Stripped & tinned	2.5 x 2.0 x 1.7	Dk. Gray	6'	0.4	UL/CUL	6.95	6.25	5.59	4.95
127976	ReliaPro	DCU120030D7161	12	300	2.1mm x 5.5mm F **2**	2.6 x 1.8 x 1.6	Black	6'	0.7	UL/CSA	6.95	6.25	5.59	4.95
2082046	Videx	U/090/9	12	300	2.1mm x 5.5mm right angle F **2**	2.5 x 1.9 x 1.7	Black	6'6"	0.6	UL/CSA	6.95	6.25	5.59	4.95
249236	ReliaPro	DBU120030G8970	12	300	2.5mm x 5.5mm right angle F **2**	2.2 x 1.7 x 1.5	Black	6'	0.5	UL/CUL	6.95	6.25	5.59	4.95
190503	ReliaPro℞	ADA-410	12	400	2.1mm x 5.5mm right angle F **2**	2.6 x 2.1 x 1.9	Black	6'	0.5	UL/CUL	7.49	6.95	5.65	4.95
213575	Ault	5312-000-418	12	400	2.5mm x 5.5mm right angle F **1**	2.9 x 2.6 x 1.9	Black	12'	0.7	UL/CSA	7.95	7.29	6.59	5.95
114825	ReliaPro	DCU120050D4740	12	500	Stripped & tinned	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	6.29	4.95	4.39	4.19

* 240VAC 50Hz

More AC-to-DC Wall Adapters listed on pages 118, 119, 121 & 122

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

JAMECO ReliaPro

AC-to-DC Unregulated Linear Wall Adapters (Continued)

★Web Code: UAP

120VAC @ 60Hz

We specialize in Wall Adapters – Call for additional OEM PRICING.

◆ Polarity 1 (center negative)
Polarity 2 (center positive)
Female(F) Male(M)

We are happy to change any listed DC wall adapter power plug to a connector of your choice (see pg 126) for just $2.50 each. A 100 pc. minimum order applies.

123158

Part No.	Manufacturer	Manufacturer Part No.	Output Rating Voltage (VDC)	Output Rating Curr. (mA)	Output Connector ID x OD mm Female/Male; Polarity ◆	Size (H" x W" x D")	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing 1	Pricing 10	Pricing 50	Pricing 100
15368	ReliaPro	DCU120050Z8698	12	500	2.1mm x 5.5mm F **1**	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	$6.49	$5.95	$5.39	$4.95
305103	Spec-Lin	A1250-5LE ✪	12	500	2.1mm x 5.5mm F **2**	2.6 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	6.95	6.25	5.59	4.95
102496	ReliaPro	DCU120050E8601	12	500	2.1mm x 5.5mm F **2**	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	7.95	7.29	6.59	5.95
131300	ReliaPro	DCU120050E0251	12	500	2.1mm x 5.5mm right angle F **2**	2.6 x 1.9 x 1.7	Beige	6'	0.6	UL/CSA	7.95	7.29	6.59	5.95
102277	ReliaPro	DCU120050UE2631	12	500	2.5mm x 5.5mm F **2**	2.5 x 2.1 x 1.7	Black	6'	0.6	UL/CSA	7.95	7.29	6.59	5.95
17267	ReliaPro	DCU120050Z5391	12	500	3.5mm M **2**	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	7.95	7.29	6.59	5.59
202201	ReliaPro	DCU120060F2131	12	600	2.1mm x 5.5mm F **2**	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	7.95	7.29	6.59	5.95
202219	ReliaPro	DCU120070F2142	12	700	2.1mm x 5.5mm F **2**	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	8.95	7.95	7.29	6.49
117479	ReliaPro	DDU120080E6451	12	800	2.1mm x 5.5mm F **2**	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CSA	8.95	7.95	7.29	6.49
129331	ReliaPro	DDU120080F2412	12	800	2.5mm x 5.5mm F **2**	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CSA	8.95	7.95	7.29	6.49
121232	ReliaPro	DDU120080F2271	12	800	3.5mm M **2**	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	7.95	7.25	5.95	5.45
2099884	DVE	DV1280-3	12	1000	2.1mm x 5.5mm F **2**	3.2 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	8.95	7.95	6.95	6.25
100870	ReliaPro	DDU120100Z7974	12	1000	2.1mm x 5.5mm F **2**	2.6 x 2.4 x 1.9	Black	6'	0.9	UL/CSA	9.95	8.95	7.95	7.29
105478	ReliaPro	DDU120100Z2993	12	1000	2.5mm x 5.5mm F **2**	3.1 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	9.95	8.95	7.95	7.29
189579	Fellowes	BCU12100	12	1000	2.5mm x 5.5mm right angle F **2**	3.2 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	8.95	7.95	7.29	6.49
15392	ReliaPro	DDU120100E7302	12	1000	3.5mm M **2**	3.3 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	9.95	8.95	7.95	7.29
196779	ReliaPro	DDU120120G0031	12	1200	2.5mm x 5.5mm F **2**	3.0 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	10.95	9.95	8.95	7.95
313226	ReliaPro	DFU120150H4490	12	1500	Stripped & tinned **(w/ on-off switch)**	3.4 x 2.6 x 2.2	Black	8'	1.5	UL	14.95	13.49	11.95	10.95
203036	ReliaPro	DDU120150H4530	12	1500	2.1mm x 5.5mm F **1**	3.3 x 2.2 x 1.9	Black	6'	1.5	UL/CUL	14.95	13.49	11.95	10.95
136881	ReliaPro	DDU120150K1960	12	1500	2.1mm x 5.5mm F **2**	3.4 x 2.7 x 2.2	Black	6'	1.5	UL	14.95	13.49	11.95	10.95
1928151	Leader	481215003CT	12	1500	2.5mm x 5.5mm F **2**	3.4 x 2.3 x 2.1	Black	6'	1.5	UL/CUL	12.95	11.49	9.95	8.95
101291	ReliaPro	DDU120150	12	1500	2.5mm x 5.5mm F **2**	3.4 x 2.7 x 2.2	Black	6'	1.5	UL/CUL	14.95	13.49	11.95	10.95
2077626	Qualcomm	TXACA036	13	1000	2.5mm x 5.5mm F **2 (Switching)**	2.7 x 2.4 x 1.6	Black	6'6"	0.6	UL/CE	10.95	9.95	8.95	7.95
308099	ReliaPro	DDU135100H3210	13.5	1000	2.1mm x 5.5mm F **2**	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	10.95	9.95	8.95	7.95
212812	ReliaPro	DBU140020F6022	14	200	2.1mm x 5.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.8	UL/CUL	6.95	6.25	5.59	4.95
212821	ReliaPro	DBU140030F6042	14	300	2.1mm x 5.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.8	UL/CUL	7.95	7.29	6.59	5.95
129314	Various	DV-1250	14	360	2.5mm x 5.5mm right angle F **2**	2.3 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	6.95	5.95	4.95	3.95
123932	ReliaPro	DDU140070Z7470	14	700	2.1mm x 5.5mm F **2**	2.6 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	9.35	8.41	6.89	6.19
202243	ReliaPro	DDU140070-2.5	14	700	2.5mm x 5.5mm F **2**	3.9 x 2.9 x 2.4	Black	6'	0.8	UL/CUL	7.95	7.29	6.59	5.95
202260	ReliaPro	DDU140100F3270	14	1000	2.1mm x 5.5mm F **2**	3.9 x 2.9 x 2.4	Black	6'	0.9	UL/CUL	9.95	8.95	7.95	6.95
190001	ReliaPro	DCU150050E3021	15	500	2.1mm x 5.5mm F **2**	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CSA	7.95	7.29	6.59	5.95
189982	ReliaPro	DCU150050E3031	15	500	2.5mm x 5.5mm F **2**	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CSA	7.95	7.29	6.59	5.95
155803	ReliaPro	DDU150060E5822	15	600	2.1mm x 5.5mm F **1**	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CSA	8.95	7.95	7.29	6.49
203502	ReliaPro	DDU150090F4480	15	900	2.5mm x 5.5mm F **2**	2.6 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	9.95	8.95	7.95	7.29
151992	ReliaPro	DDU150100E8181	15	1000	2.1mm x 5.5mm F **1**	3.1 x 2.0 x 1.9	Beige	6'	1.5	UL/CSA	8.95	7.95	6.95	5.95
191652	ReliaPro	DDU150100D7051	15	1000	2.1mm x 5.5mm F **2**	3.3 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	10.95	9.95	8.95	7.95
681563	Ault	P48151000A020G	15	1000	2.5mm x 5.5mm F **2**	3.3 x 2.3 x 1.9	Black	6'	1.2	UL/CSA	9.95	8.95	7.95	6.95
162317	ReliaPro	DDU165050J19910	16	500	2.1mm x 5.5mm F **2**	2.5 x 2.0 x 1.7	Black	6'	0.8	UL/CSA	9.95	8.95	7.95	7.29
217541	NiteRider	FE4116168C030	16.8	300	2.5mm x 5.5mm F **2**	3.1 x 2.1 x 1.6	Black	6'	0.6	UL/CUL	6.95	6.25	5.59	4.95
2081713	DVE	DV-1790	17	900	2.5mm x 5.5mm F **2**	3.2 x 2.2 x 2.0	Black	6'	1.2	UL/CSA	9.95	8.95	7.95	6.95
181729	ReliaPro	DCU180025F8680	18	250	2.1mm x 5.5mm F **2**	2.6 x 2.0 x 1.6	Black	6'	0.6	UL	6.95	6.25	5.59	4.95
217568	NiteRider	FE4126180P040	18	400	2.5mm x 5.5mm F **2 (w/ LED indicator)**	3.5 x 2.1 x 1.6	Black	6'	0.8	UL/CUL	7.95	7.29	6.59	5.95
163272	ReliaPro	DDU180050C1031	18	500	2.1mm x 5.5mm F **2**	2.6 x 2.3 x 1.9	Black	6'	0.8	UL/CUL	8.95	7.95	7.29	6.49
206958	ReliaPro	DDU180100H4551	18	1000	2.5mm x 5.5mm F **2**	3.3 x 2.2 x 1.9	Black	6'	1.4	UL/CUL	9.95	8.95	7.95	7.29
102285	ReliaPro	DDU240040Z7860	24	400	2.1mm x 5.5mm F **2**	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CUL	8.95	7.95	7.29	6.49
163635	ReliaPro	DDU240050C1981	24	500	2.1mm x 5.5mm F **1**	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.95	8.95	7.95	7.29
191556	ReliaPro	DDU240050E5852	24	500	2.5mm x 5.5mm F **2**	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.95	8.95	7.95	7.29
139088	ReliaPro	DDU240050E9160	24	500	3.5mm M **2**	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.95	8.95	7.95	7.29
1918930	ReliaPro ℛ	DDU240060L260	24	600	2.1mm x 5.5mm F **2**	2.9 x 2.2 x 1.9	Black	6'	0.4	UL/CUL	10.95	9.95	8.95	7.95
168495	ReliaPro	DFU240080J3180	24	800	2.1mm x 5.5mm F **2**	2.9 x 1.9 x 1.6	Black	6'	0.4	UL/CUL/TUV	11.95	10.95	9.95	8.95
220960	ReliaPro	DFU240100G2300	24	1000	2.1mm x 5.5mm F **1**	3.4 x 2.7 x 2.2	Black	6'	1.6	UL/CUL	14.95	13.49	11.95	9.95
249121	ReliaPro	DFU240120/G8520	24	1150	2.1mm x 5.5mm F **2**	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	16.95	14.95	13.49	11.95
249113	ReliaPro	DFU240120/G8510	24	1200	2.5mm x 5.5mm F **2**	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	16.95	14.95	13.49	11.95
199523	ReliaPro	DDU300050E9340	30	500	2.5mm x 5.5mm F **2**	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	9.95	8.95	7.95	7.29
215095	ReliaPro	MW48-4800250	48	250	2.5mm x 5.5mm F **2**	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	8.95	7.95	7.29	6.49
230640	ReliaPro	MW57-4800500-2.1	48	500	2.1mm x 5.5mm F **2**	3.3 x 2.7 x 2.2	Black	6'	1.1	—	10.95	9.95	8.95	7.95
215109	ReliaPro ℛ	MW57-4800500	48	500	2.5mm x 5.5mm F **2**	3.3 x 2.7 x 2.2	Black	6'	1.1	—	10.95	9.95	8.95	7.95
15309	ReliaPro	900-051	3, 4.5, 6, 7.5, 9, 12	500 120VAC	1.3 x 3.5, 2.1 x 5.0, 2.5 x 5.5 **Female** 2.5, 3.5 **Male**, 9V battery snap (LED ind.)	3.0 x 2.2 x 2.1	Black	6'	0.7	UL/CSA	9.95	8.95	7.95	6.95
123158	ReliaPro	900-100	1.5, 3, 4.5, 6, 7.5, 9, 12	1000 110-220VAC	1.3 x 3.5, 2.1 x 5.0, 2.5 x 5.5 **Female** 2.5, 3.5 **Male**, 9V battery snap (LED ind.)	3.7 x 2.2 x 2.5	Black	6'	0.9	—	10.95	9.95	8.95	7.95

✪ Blue Part No. = Limited Quantity Available

JAMECO ReliaPro

◆ Polarity 1 (center negative)
Polarity 2 (center positive)
Female(F) Male(M)

AC-to-DC Regulated Linear Wall Adapters

★Web Code: WAZ

We specialize in Wall Adapters – Call for additional OEM PRICING.

We are happy to change any listed DC wall adapter power plug to a connector of your choice (see pg 126) for just $2.50 each. A 100 pc. minimum order applies.

Female

319986

681571

Part No.	Manufacturer	Manufacturer Part No.	Output Rating Voltage (VDC)	Output Rating Current (mA)	Output Connector ID x OD mm Female/Male; Polarity ◆	Input VAC @ Hz	Size (H" x W" x D")	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing 1	Pricing 10	Pricing 50	Pricing 100
164101	ReliaPro	GPU410500	5	500	2.1mm x 5.5mm F 2	120@60	2.8 x 2.0 x 1.6	Black	6'	0.6	UL/CUL	$9.95	$8.95	$7.95	$6.95
220935	ReliaPro	DDU050060	5	600	2.1mm x 5.5mm F 1	120@60	2.7 x 2.2 x 1.9	Black	6'	0.8	UL/CUL	12.95	11.49	9.95	8.95
319986	DVE	DV-580R	5	800	2.5mm x 5.5mm F 2	120@60	3.2 x 2.2 x 2.0	Black	6'	1.0	UL/CUL	12.95	11.49	9.95	8.95
2081609	Condor	RWP480505	5	1000	2.1mm x 5.5mm F 2	120@60	3.2 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	12.95	11.49	9.95	8.95
1953612	ReliaPro℞	DBU0501000	5	1000	2.1mm x 5.5mm F 2	120@60	3.3 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	14.95	13.49	11.95	10.95
168605	ReliaPro	DBU0501000	5	1000	2.5mm x 5.5mm F 2	120@60	3.3 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	14.95	13.49	11.95	10.95
681571	ITE	RWP480505-2	5	1000	2.5mm x 5.5mm right angle F 2	120@60	3.3 x 2.2 x 1.9	Black	6'	1.0	UL/CUL	14.95	13.49	11.95	10.95
1919220	Friwo	FE4823	5	1200	2.5mm x 5.5mm F 2	120@60	3.5 x 2.4 x 1.9	Black	6'	1.2	UL/CUL	14.95	13.49	11.95	10.95
190512	ReliaPro	DBU60020-H3570	6	200	2.1mm x 5.5mm F 2	120@60	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	9.95	8.95	7.95	6.95
283573	ReliaPro	ADR-6V500MA-2.1	6	500	2.1mm x 5.5mm F 2	120@60	3.1 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	10.95	9.95	8.95	7.95
1953701	ReliaPro	ADR-6V500MA-2.5	6	500	2.5mm x 5.5mm F 2	120@60	3.1 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	10.95	9.95	8.95	7.95
1953719	ReliaPro	DBU0601000	6	1000	2.1mm x 5.5mm F 2	120@60	3.2 x 2.3 x 2.0	Black	6'	1.3	UL/CSA	14.95	13.49	11.95	10.95
190529	ReliaPro	AD9123	9	250	2.5mm x 5.5mm right angle F 2	120@60	2.5 x 2.0 x 1.6	Black	12'	0.5	UL/CSA	9.95	8.95	7.95	6.95
1953621	ReliaPro℞	DCU09050F1	9	500	2.1mm x 5.5mm F 1	120@60	3.3 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	10.95	9.95	8.95	7.95
1953639	ReliaPro℞	DCU09050	9	500	2.1mm x 5.5mm F 2	120@60	3.3 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	10.95	9.95	8.95	7.95
1953647	ReliaPro℞	DCU09050	9	500	2.5mm x 5.5mm F 2	120@60	3.3 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	10.95	9.95	8.95	7.95
2082193	Philips	SPA-3545-81	12	100	2.1mm x 5.5mm F 2	120@60	2.5 x 1.8 x 1.5	Black	6'	0.5	UL/CSA	7.95	6.95	6.25	4.95
220898	ReliaPro	DCU120020	12	200	2.1mm x 5.5mm F 1	120@60	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	9.95	8.95	7.95	6.95
1953655	ReliaPro℞	DDU120050H	12	500	2.1mm x 5.5mm F 1	120@60	2.9 x 2.2 x 1.9	Black	6'	1.3	UL/CSA	10.95	9.95	8.95	7.95
162996	ReliaPro	DDU120050	12	500	2.1mm x 5.5mm F 2	120@60	3.2 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	10.95	9.95	8.95	7.95
170245	ReliaPro	RDU120100	12	1000	2.1mm x 5.5mm F 2	120@60	3.2 x 2.3 x 2.0	Black	6'	1.2	UL/CUL	14.95	13.49	11.95	10.95
1953663	ReliaPro℞	DCU1201000	12	1000	2.5mm x 5.5mm F 2	120@60	3.3 x 2.3 x 2.0	Black	6'	1.2	UL/CSA	14.95	13.49	11.95	10.95
174861	ReliaPro	DFU240050	24	500	2.1mm x 5.5mm F 2	120@60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	12.95	11.49	9.95	8.95
1953680	ReliaPro℞	DFU240500W	24	500	2.5mm x 5.5mm F 1	120@60	3.1 x 2.2 x 2.0	Black	6'	1.2	UL/CUL	12.95	11.49	9.95	8.95
174879	ReliaPro	DCU090025	24	500	2.5mm x 5.5mm F 2	120@60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	12.95	11.49	9.95	8.95
1953698	ReliaPro℞	DFU2401000	24	1000	2.1mm x 5.5mm F 2	120@60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CSA	16.95	14.95	13.49	11.95
1953671	ReliaPro℞	DFU2401000	24	1000	2.5mm x 5.5mm F 2	120@60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CSA	16.95	14.49	11.95	10.95

Power

GlobTek®

AC-to-DC Medical Table-Top Regulated Switching Power Supplies

★Web Code: WBM

- **2.5mm x 5.5mm female center positive**
- Input voltage: 90-264VAC @ 47-63Hz
- Leakage current: 0.1mA max. • 3-wire AC input
- Regulation (line & load): ±5% • Isolation voltage: 4,000VAC
- Ripple & noise:1% or 100mV, whichever is smaller
- Cord lengths: DC: 6'; AC: not included use P/N 115078, pg 130
- Size: 2.9"L x 2.0"W x 1.6"H

Part No.	Mfr. Part No.	Power (W)	Output VDC/Amps	Pricing 1	Pricing 10	Pricing 25	Pricing 100
230683	TR9CE1250CP℞	15.6	+12/1.3	$34.95	$31.95	$27.95	$24.95
230763	TR9CE4000LCP	49.2	+12/4.1	49.95	44.95	40.95	36.95
230691	TR9CG1200CP	18.0	+15/1.2	42.95	38.95	34.95	30.95
230772	TR9CG3333LCP℞	49.5	+15/3.3	49.95	44.95	39.95	35.95
230798	TR9CI2100LCP	50.4	+24/2.1	59.95	53.95	47.95	42.95

36-Watt Switching Table-Top Power Supply

- **Output voltage: 5VDC to 24VDC in 1V increments**
- Output connectors: 2.5mm & 3.5mm male, 1mm x 3mm, 1.35mm x 3.5mm, 1.5mm x 5mm, 1.7mm x 4mm, 2.1mm x 5mm and 2.5mm x 5mm
- Stabilized outputs, low ripple & interference
- High efficiency, low energy consumption
- Input voltage.: 100-240VAC @ 50/60Hz
- Short-circuit, overload protection • LED power indicator

Includes: AC power cord

Part No.	Mfr. Part No.	Output Current	Size (L x W x H)	1	10	25
1537521	PSSMV7U	1.5A to 4A	3.5" x 1.8" x 1.2" ...	$49.95	$44.95	$39.95

Auto/Air Cigarette DC/DC Power Adapter

NEW MARKED IN PINK

- Input voltage: 11VDC to 16VDC @ 10A max.
- Input connector: cigarette plug, fused (15A @ 250V)
- Output connector: interchangeable tips of 2.1mm F, 2.5mm F, 3.5mm M
- Input/Output cord length: 42"/48" • Color: black with LED power indicator

Part No.	Product No.	Size (L x W x H)	1	10	50	100
2099770	AA-5001G	4.7" x 2.0" x 1.0"	$24.95	$22.49	$19.95	$17.95

Cigarette Lighter Car Power Adapter

- Switch selectable 1.5V, 3V, 4.5V, 5V, 6V, 9V and 12V
- DC power plugs: 2.5mm x 5mm, 2.1mm x 5mm, 1.5mm x 5mm, 1.7mm x 4mm, 1.3mm x 3.5mm and 0.7mm x 2.35mm
- Powers portable electronic devices such as MP3 players, cell phones, etc.
- Switching power supply provides 1000mA from cigarette lighter plug
- Reversible plug for center positive or negative polarity

Part No.	Mfr. Part No.	1	10	50	100
155230	JCD22A+	$14.95	$12.95	$9.95	$8.95

Accessory Power Input Cords for Table-Top Power Supplies

189587

38050

1951123

★Web Code: RBE

Part No.	Ref. No.*	Description	Color	AWG	Certification	Cord Length	Wt. (lbs.)	Cord Type	1	10	50	100
189587	1	2-conductor power cord (Figure 8 style)℞	Black	18/2	UL/CSA	6'	0.3	SPT	$2.35	$2.15	$1.95	$1.79
38050	2	3-conductor power cord℞	Black	18/3	UL/CSA	6'	0.4	SVT	4.95	4.49	3.95	3.25
1953559	3	3-conductor flat power cord (Mickey Mouse style)	Black	18/3	UL/CSA	6'	0.4	SPT-2	2.95	2.49	1.95	1.49
1951123	3	3-conductor round power cord (Mickey Mouse style)℞	Black	18/3	UL/CSA	6'	0.4	SVT	3.95	3.49	2.95	2.49

*These reference numbers for "AC cord needed" for Table-Top Power Supplies on next 3 pages

More Power Cords on page 130

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

AC-to-DC Regulated & Unregulated Linear & Switching Table-Top Power Supplies

We are happy to change the power plug on any listed table-top power supply to a connector of your choice (see pg 126) for just $2.50 each. A 100 pc. minimum order applies.

◆ Polarity 1 (center negative)
Polarity 2 (center positive)

See page 131 for International Power Cords

Part No.	Manufacturer	Manufacturer Part No.	Output Volts (VDC)/ Current (A)	Output Connector ID x OD/F = female; M = male; Polarity ◆	Input VAC@Hz	Output Pwr (W)	LED Ind.	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing 1	10	50	100
2-Wire AC Input – Unregulated Linear Table-Top											★Web Code: TBE				
190051	APS	APS48EA114	+7/1.5	2.5mm x 5.5mm F 2	120@60	10	No	3.4 x 2.3 x 1.9	6'/6'	1.9	UL/CUL	$6.95	$6.25	$4.95	$3.95
243109	Regal	JK-91001-N	+9/1.0	Stripped & Tinned	120@60	9	No	3.3 x 2.2 x 1.9	6'/6'	1.2	UL/CSA	6.95	6.25	4.95	3.95
136565	ReliaPro	DDC1210P	+12/1.0	Stripped & Tinned	120@60	12	No	3.2 x 2.2 x 1.9	6'/6'	1.2	—	9.95	8.95	7.95	6.95
2081941	Toshiba	AD-121ADT	+12/1.0	2.1mm x 5.5mm F 2	120@60	12	No	3.2 x 2.2 x 1.9	6'/6'	1.3	UL/CUL	9.95	8.95	7.95	6.95
140880	ReliaPro	DC1215ST	+12/1.5	Stripped & Tinned	120@60	18	No	3.1 x 2.1 x 1.9	6'/6'	1.5	UL	11.95	10.95	9.95	8.95
143714	Horizon+	DC1220F1	+12/2.0	2.1mm x 5.5mm F 2	120@60	24	No	3.8 x 2.8 x 2.3	6'/6'	2.2	CUL	13.95	12.49	10.95	9.95
143722	ReliaPro	DC1220F5	+12/2.0	2.5mm x 5.5mm F 2	120@60	24	No	3.8 x 2.8 x 2.3	6'/6'	2.2	UL/CUL	14.95	13.49	11.95	10.95
143731	ReliaPro	DC1220M3	+12/2.0	3.5mm M 2	120@60	24	No	3.8 x 2.8 x 2.3	6'/6'	1.9	CUL-No UL	14.95	13.49	11.95	10.95
139096	ReliaPro	DC2412F1	+24/1.2	2.1mm x 5.5mm F 2	120@60	29	No	4.4 x 3.1 x 2.6	6'/6'	2.5	—	17.95	15.95	14.49	12.95
1953815	SR Components	DC24-1.2	+24/1.2	2.1mm x 5.5mm F 2	120@60	29	No	4.5 x 3.4 x 2.6	5'/6'	0.7	UL	19.95	17.95	15.95	13.95
173665	Skynet	DND-3005	+30/0.5	2.5mm x 5.5mm F 2	120@60	15	No	3.0 x 2.5 x 2.2	5'9"/3'2"	1.4	UL/CUL	10.95	9.95	8.95	7.95
2-Wire AC Input – Regulated Linear Table-Top											★Web Code: CEM				
664261	Intermec	062035	+5/0.75	4-pin DIN M	120@60	3.75	No	4.4 x 2.5 x 2.0	6'/6'	1.6	UL/CSA	$6.95	$6.25	$4.95	$3.95
2099569	JEC	57-1607-U4D	+16/0.7	2.5mm x 5.5mm F 2	120@60	19	No	3.6 x 2.7 x 3.6	6'/6'	1.3	UL	10.95	9.95	8.95	7.95
174845	ReliaPro℞	DCR2410F12	+24/1	2.1mm x 5.5mm F 2	120@60	24	No	4.4 x 3.0 x 2.5	6'/6'	2.6	UL	17.95	15.95	14.49	12.95
2-Wire AC Input – Regulated Switching Table-Top – Single Output											★Web Code: DDZ				
153752	Cisco	34-0912-02	+5/2.5	2.5mm x 5.5mm F 2	100-240@50-60	13	No	3.5 x 2.2 x 1.2	6'/ 1	0.5	UL/CULTUV/CE	$11.95	$10.49	$8.95	$7.95
1586242	Phihong℞	PSAA15W-050-R	+5/3.0	2.1mm x 5.5mm F 2	100-240@50-60	15	No	3.2 x 2.0 x 1.2	6'/ 1	—	UL/CUL/TUV/CE	14.95	13.49	11.95	10.95
1940299	Mean Well℞	GS18B05-P1J	+5/3.0	2.1mm x 5.5mm F 2	100-240@50-60	18	Yes	3.1 x 2.1 x 1.3	4'/ 1	0.5	UL/CSA/TUV/CEC	15.95	14.49	13.49	12.49
155205	ITE Power	SYS1102-2005	+5/4.0	2.1mm x 5.5mm F 2	100-240@50-60	20	Yes	4.0 x 2.0 x 1.3	3'6"/ 1	0.7	UL/CUL/TUV/CE	13.95	11.95	9.95	8.95
1940483	Mean Well℞	GS25B05-PIJ	+5/4.0	2.1mm x 5.5mm F 2	100-240@50-60	20	Yes	3.1 x 2.1 x 1.3	4'/ 1	0.5	UL/CSA/TUV/CEC	16.49	14.95	13.95	12.95
377925	Mean Well℞	P30B-1P2JU	+5/4.0	2.1mm x 5.5mm F 2	90-264@47-63	20	Yes	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	21.95	19.95	18.95	17.95
380621	Mean Well℞	ES25B05-P1MU	+5/4.0	2.5mm x 5.5mm F 2	90-264@47-63	20	Yes	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	18.95	16.95	15.49	14.49
1940301	Mean Well℞	GS18B07-P1J	+7.5/2.0	2.1mm x 5.5mm F 2	100-240@50-60	18	Yes	3.1 x 2.1 x 1.3	6'/ 1	0.5	UL/CSA/TUV/CEC	15.95	14.49	13.49	12.49
1707067	Mean Well	ES25B07-P1J	+7.5/2.93	2.1mm x 5.5mm F 2	100-240@50-60	22	Yes	3.1 x 2.1 x 1.3	6'/ 1	0.4	UL/CUL/TUV/CE	10.95	9.49	8.49	7.49
195806	ReliaPro℞	DCR920F12	+9/2.0	2.1mm x 5.5mm F 2	100-240@50-60	18	Yes	4.2 x 2.6 x 1.4	6'/6'	0.9	UL/CUL/TUV/CE	21.95	19.95	18.95	17.95
195768	ReliaPro	DCR920F52	+9/2.0	2.5mm x 5.5mm F 2	100-240@50-60	18	Yes	4.3 x 2.6 x 1.4	6'/6'	0.9	UL/CUL/TUV/CE	23.95	21.95	19.95	18.95
380681	Mean Well	ES25B09-P1MU	+9/2.78	2.5mm x 5.5mm F 2	90-264@47-63	25	Yes	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	18.95	16.95	15.49	14.49
379787	Mean Well℞	P30B-2P2MU	+9/2.89	2.5mm x 5.5mm F 2	90-264@47-63	26	Yes	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	24.95	22.49	19.95	18.95
1940213	EDAC, Inc.℞	EA10302	+9/3.3	2.1mm x 5.5mm F 2	100-240@50-60	30	Yes	3.9 x 1.8 x 1.2	4'/ 1	0.5	UL/CUL/TUV/CE	14.95	13.49	11.95	10.95
1950905	APS	AD715U-1121	+12/1.2	2.5mm x 5.5mm F 2	100-240@50-60	15	No	3.7 x 2.1 x 1.3	6'/ 1	0.5	UL/CUL/TUV/CE	11.95	10.49	8.95	7.95
191353	Delta	ADP-15FB	+12/1.25	2.1mm x 5.5mm F 2	100-240@50-60	15	No	3.5 x 2.3 x 1.2	6'/ 1	0.5	UL/CE	12.95	11.49	9.95	8.95
1943043	Fairway	VE15B-120	+12/1.5	2.1mm x 5.5mm F 2	100-240@50-60	18	No	3.1 x 2.1 x 1.1	6'/ 1	0.5	UL/CE/TUV	14.95	12.95	11.49	9.95
1940328	Mean Well℞	GS18B12-P1J	+12/1.5	2.1mm x 5.5mm F 2	100-240@50-60	18	No	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/CE/CEC	17.95	16.49	14.95	13.49
673651	Artesyn	SSL20C-7612	+12/1.67	2.5mm x 5.5mm F 2	100-240@50-60	20	No	4.6 x 2.4 x 1.1	3'3"/ 1	0.4	UL/CSA/VDE	11.95	9.95	8.95	7.95
2099868	DVE	DSA-0421S	+12/2.0	2.1mm x 5.5mm F 2	100-240@50-60	24	Yes	3.7 x 2.2 x 1.3	6'/6'	0.4	UL/CUL/TUV/CE	19.95	17.95	15.95	13.95
1537555	APD	DA-24B12	+12/2.0	2.5mm x 5.5mm F 2	100-240@47-63	24	No	3.6 x 2.2 x 1.3	6'/ 1	0.4	UL/CUL/TUV/CE	17.95	15.95	14.49	12.95
379795	Mean Well℞	P30B-3P2MU	+12/2.25	2.5mm x 5.5mm F 2	90-264@47-63	27	Yes	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	26.95	24.95	22.95	20.49
1942155	Jentec	JTA0210P	+12/3.0	2.1mm x 5.5mm F 2	100-240@50-60	36	Yes	4.3 x 2.0 x 1.2	4'/ 1	0.6	UL/CUL/TUV/CE	15.95	13.95	11.95	10.95
401042	ReliaPro℞	ADPV16	+12/3.0	2.1mm x 5.5mm F 2	100-240@50-60	36	No	3.9 x 1.8 x 1.2	4'/ 1	0.5	UL/CUL/TUV/CE	22.95	20.49	18.95	16.95
220442	ReliaPro℞	SL120300RT	+12/3.0	2.5mm x 5.5mm F 2†	100-240@50-60	36	Yes	4.3 x 2.0 x 1.2	6'/ 1	0.6	UL/CUL/TUV/CE	24.95	22.49	19.95	17.95
2099876	Lishin Int.	LSE9802A 1240	+12/3.33	2.1mm x 5.5mm F 2	100-240@50-60	40	Yes	3.7 x 2.2 x 1.3	5'/6'	0.4	UL/CSA/TUV/CE	24.95	22.49	19.95	17.95
1940336	Mean Well℞	GS18B15-P1JT	+15V/1.2	2.1mm x 5.5mm F 2	100-240@50-60	18	No	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/CEC	17.95	16.49	14.95	13.49
1537070	Phihong	PSA15W-150R	+15/1.25	2.5mm x 5.5mm F 2	100-240@47-63	15	No	4.3 x 2.6 x 1.0	6'/ 1	0.8	UL/CUL/TUV/CE	14.95	13.95	12.95	11.95
1940521	Mean Well℞	GS25B15-P1JT	+15/1.66	2.1mm x 5.5mm F 2	100-240@50-60	25	No	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/CEC	18.95	16.95	14.95	13.49
1940539	Mean Well℞	GS25B18-P1J	+18/1.38	2.1mm x 5.5mm F 2	100-240@50-60	25	Yes	3.1 x 2.1 x 1.3	6'/ 1	0.5	UL/CSA/TUV/CEC	18.95	16.95	14.95	13.49
380729	Mean Well℞	ES25B18-P1MU	+18/1.38	2.5mm x 5.5mm F 2	90-264@47-63	25	Yes	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	18.49	16.49	14.49	12.95
1940352	Mean Well℞	GS18B24-P1J	+24/0.75	2.1mm x 5.5mm F 2	100-240@50-60	18	Yes	3.1 x 2.1 x 1.3	6'/ 1	0.5	UL/CSA/TUV/CEC	15.95	14.49	13.49	12.49
1940547	Mean Well℞	GS25B24-P1JT	+24/1.04	2.1mm x 5.5mm F 2	100-240@50-60	25	Yes	3.1 x 2.1 x 1.3	6'/ 1	0.5	UL/CSA/TUV/CE/CEC	16.49	14.95	13.49	12.49
221613	Mean Well℞ ✔	P30B-6P2JT	+24/1.12	2.1mm x 5.5mm F 2	100-240@50-60	27	Yes	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	26.95	24.95	22.95	20.49
1940230	EDAC, Inc.℞	EA1030D2	+24/1.25	2.1mm x 5.5mm F 2	100-240@50-60	30	Yes	3.9 x 1.8 x 1.2	4'/ 1	0.5	UL/CUL/TUV/CE	19.95	17.95	15.95	13.95
229843	Phihong℞	PSAA60W-240	+24/2.5	2.1mm x 5.5mm F 2	100-240@47-63	60	No	5.1 x 2.4 x 1.3	4'/ 1	0.5	UL/CSA/CEC	36.95	33.95	31.95	28.95
1707075	Mean Well	ES18B28-P1J	+28/0.64	2.1mm x 5.5mm F 2	100-240@50-60	18	Yes	3.1 x 2.1 x 1.3	6'/ 1	0.5	UL/CUL/TUV/CE	8.95	7.95	6.95	5.95
205911	Delta	ADP-25HB	+30/0.83	2.1mm x 5.5mm F 2	100-125@50-60	25	No	3.5 x 2.4 x 1.2	6'/7'	1.1	UL/CUL	10.95	9.95	8.95	7.95

* See accessory table-top power cord chart on page 122 when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord † Right Angle

✔ CEC Equivalent available. Add an "C" before part number for CEC version. CEC

3-Wire Regulated Table-Top Power Supplies on Next Page

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

AC-to-DC Regulated Linear & Switching Table-Top Power Supplies

We are happy to change the power plug on any listed table-top power supply to a connector of your choice (see pg 126) for just $2.50 each. A 100 pc. minimum order applies.

See page 131 for International Power Cords

689661

309876

221488

1950884

1586146

◆ Polarity 1 (center negative)
Polarity 2 (center positive)
Female(F) Male(M)

Female (F)

Male (M)

DIN (M)

Part No.	Manufacturer	Manufacturer Part No.	Output Volts (VDC)/ Current (A)	Output Connector ID x OD mm Female/Male; Polarity ◆	Input VAC@Hz	Output Pwr (W)	LED Ind.	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing 1	10	50	100
2-Wire AC Input – Regulated Switching Table-Top – Single Output (Continued)												★Web Code: DDZ			
1940379	Mean Well ℛ	GS18B48-P1JT	+48/0.37	2.1mm x 5.5mm F 2	100-240@50-60	18	No	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/CEC	$17.95	$16.49	$14.95	$13.49
1707139	Mean Well	ES25B48-P1J	+48/0.52	2.1mm x 5.5mm F 2	100-240@50-60	25	Yes	3.1 x 2.1 x 1.3	6'/ 1	0.4	UL/CUL/TUV/CE	19.95	17.95	15.95	14.49
380809	Mean Well ℛ	ES25B48-P1MU	+48/0.52	2.5mm x 5.5mm F 2	90-264@47-63	25	Yes	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	18.49	16.49	14.49	12.95
2-Wire AC Input – Regulated Switching Table-Top – Triple Output												★Web Code: DDZ			
196138	DVE	DSA-0283A	+5/1, +12/1.49 -5/0.43	5-pin DIN M	100-240@47-63	23	No	4.9 x 2.7 x 1.5	6'/ 1	0.8	UL/CSA/TUV	$7.95	$6.95	$5.95	$4.95
3-Wire AC Input – Regulated Linear Table-Top – Double & Quad Output												★Web Code: CEM			
689661	Regal	R1JG-5500	+5/1; -5/0.5	5-pin DIN M	120@60	30	No	5.1 x 3.6 x 2.8	6'/6'	2.7	UL	$9.95	$8.95	$7.95	$6.95
689653	Regal	RJM-551228	+5/0.9; -5/0.2; +12/.62; -28/.16	6-pin DIN M	120@60	55	No	5.1 x 3.6 x 2.8	6'/6'	1.3	CUL	11.95	10.49	9.49	8.49
3-Wire AC Input – Regulated Switching Table-Top – Single Output												★Web Code: DDZ			
1928863	DVE	DSA0210D-03	+3.3/4.0	2.5mm x 5.5mm F 2	100-240@50-60	13	No	3.9 x 2.0 x 1.4	4'/ 2	0.5	UL/CUL/TUV/CE	$12.95	$10.95	$9.49	$8.49
308700	Be-Well	ZD0001F	+5/1.0	2.1mm x 5.5mm F 2†	100-240@50-60	5	No	4.2 x 2.0 x 1.6	6'/ 2	0.4	UL/CUL/TUV/CE	10.95	9.49	8.49	7.49
1918737	Magtech	SPU15A-102	+5/1.0	2.5mm x 5.5mm F 2	100-240@47-63	5	Yes	3.6 x 1.5 x 1.4	6'/ 2	0.4	UL/CUL/TUV/CE	9.95	8.95	7.95	6.95
1952169	Go Forward	91-58414	+5/2.0	1.3mm x 3.5mm F 2	100-240@50-60	10	No	2.6 x 1.9 x 1.3	6'/ 2	0.4	UL/CUL/TUV/CE	9.95	8.95	7.95	6.95
309876	Go Forward	GI12-USO520	+5/2.0	2.1mm x 5.5mm F 2	100-240@50-60	10	No	2.6 x 1.9 x 1.3	6'/ 2	0.4	UL/CUL/TUV/CE	12.95	11.49	9.95	8.95
196218	GlobTek	GT-21089-1305T3	+5/2.0	2.1mm x 5.5mm F 2	120-240@50-60	10	No	3.4 x 1.9 x 1.3	6'/ 2	0.4	UL/CUL/TUV/CE	15.95	14.49	12.95	11.95
1955642	Delta	ADP-105B	+5/2.0	2.5mm x 5.5mm F 2	100-240@50-60	10	No	3.3 x 1.9 x 1.2	6'/ 2	0.3	UL/CUL/CE	12.95	11.49	9.95	8.95
1954236	Mean Well ℛ	GS15A-1P1J	+5/2.4	2.1mm x 5.5mm F 2	90-264@47-63	12	No	3.9 x 2.3 x 1.3	6'/ 2	0.4	UL/CUL/TUV/CEC	17.95	15.95	14.49	13.49
1940387	Mean Well ℛ	GS18A05-P1J	+5/3.0	2.1mm x 5.5mm F 2	100-240@50-60	15	Yes	3.7 x 2.1 x 1.4	4'/ 2	0.5	UL/CUL/TUV/CE/CEC	18.49	16.49	14.49	12.95
377845	Mean Well ℛ ✔	ES18A05-P1JU	+5/3.0	2.1mm x 5.5mm F 2	100-240@50-60	15	Yes	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	18.49	16.49	14.49	12.95
1940571	Mean Well ℛ	GS25A05-P1J	+5/4.0	2.1mm x 5.5mm F 2	100-240@50-60	20	Yes	3.7 x 2.1 x 1.4	4'/ 2	0.5	UL/CULTUV/CEC	16.49	14.95	13.49	12.49
1952337	Mean Well ℛ	GS40A05-P1JU	+5/5.0	2.1mm x 5.5mm F 2	90-264@47-63	25	Yes	4.9 x 2.0 x 1.2	4'/ 2	0.7	UL/CSA/TUV/CEC	34.95	31.49	27.95	24.95
320081	GlobTek ℛ	TR9CA6000LCP-Y	+5/6.0	2.5mm x 5.5mm F 2	100-240@50-60	30	Yes	4.7 x 2.4 x 1.3	6'/ 2	0.7	UL/CUL/TUV/CE	44.95	39.95	35.95	32.95
221488	Mean Well ℛ	SPU50-1U	+5/10.0	5-pin DIN M	100-240@50-60	50	Yes	5.7 x 3.0 x 1.7	6'/6'	2.0	UL/CUL/TUV/CE	54.95	49.95	46.95	43.95
379751	Mean Well	P30A-1-P2MU	+7.5/3.06	2.5mm x 5.5mm F 2	90-264@47-63	23	Yes	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	21.95	19.95	18.95	17.95
206529	Mean Well ℛ	GS40A07-P1J	+7.5/5.34	2.1mm x 5.5mm F 2	100-240@50-60	40	Yes	4.9 x 2.0 x 1.3	6'/6'	1.5	UL/CUL/TUV/CE	27.95	25.95	24.49	22.95
1940408	Mean Well ℛ	GS18A09-P1JU	+9/2.0	2.1mm x 5.5mm F 2	100-240@50-60	18	Yes	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CUL/TUV/CEC	18.49	16.49	14.49	12.95
211027	Mean Well	KA52B25-MODU	+9/2.78	2.1mm x 5.5mm F 2	100-240@47-63	25	No	4.2 x 2.6 x 1.5	6'/ 2	0.9	CSA/TUV/CE	11.95	9.95	8.95	7.95
1952361	Mean Well ℛ	GS60A09-P1J	+9/6.0	2.1mm x 5.5mm F 2	90-264@47-63	54	Yes	4.9 x 2.0 x 1.3	4'/ 2	0.7	UL/CUL/TUV/CEC	28.95	26.95	24.95	22.95
1955651	ELPAC	W0812	+12/0.67	2.5mm x 5.5mm F 2	100-240@47-63	8	No	3.3 x 1.9 x 1.2	6'/6'	0.8	UL/CUL/TUV/CE	12.95	11.49	9.95	8.95
1928417	Mean Well	GI12-US1210	+12/1.0	2.1mm x 5.5mm F 2	100-240@50-60	12	No	2.9 x 1.9 x 1.3	6'/ 2	0.3	UL/CSA/TUV/CE	14.95	13.49	11.95	10.95
1954244	Mean Well ℛ	GS15A-3P1J	+12/1.25	2.1mm x 5.5mm F 2	90-264@47-63	15	No	3.9 x 2.3 x 1.3	6'/ 2	0.4	UL/CUL/TUV/CEC	17.95	15.95	14.49	12.95
1940416	Mean Well ℛ	GS18A12-P1JU	+12/1.5	2.1mm x 5.5mm F 2	100-240@50-60	18	Yes	3.7 x 2.1 x 1.4	6'/6'	0.5	UL/CUL/TUV/CEC	18.49	16.49	14.49	12.95
616216	Potrans	UP01831120	+12/1.5	2.5mm x 5.5mm F 1	90-264@50-60	18	No	3.7 x 2.3 x 1.4	6'/ 2	0.5	UL/CUL/TUV/CE	15.95	13.95	12.49	10.95
1928425	ITE	NL20-120160-11	+12/1.6	2.1mm x 5.5mm F 2†	100-240@50-60	19	Yes	4.3 x 1.8 x 1.2	6'/ 2	0.2	UL/CSA/TUV/CE	13.95	12.49	10.95	9.95
1537432	Eng Electric	EPA-201D-12	+12/1.66	2.1mm x 5.5mm F 2	100-240@50-60	20	Yes	4.3 x 2.4 x 1.3	6'/ 2	0.2	UL/CSA/TUV/CE	14.95	13.49	11.95	10.95
379779	Mean Well ℛ ✔	ES25A12-P1JU	+12/2.08	2.1mm x 5.5mm F 2	100-240@50-60	25	Yes	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	17.95	15.95	13.95	12.49
1940601	Mean Well ℛ	GS25A12-P1JU	+12/2.08	2.1mm x 5.5mm F 2	100-240@50-60	25	Yes	3.7 x 2.1 x 1.4	4'/6'	0.5	UL/CUL/TUV/CEC	18.95	16.95	14.95	13.49
380534	Mean Well ℛ	ES25A12-P1MU	+12/2.08	2.5mm x 5.5mm F 2	100-240@50-60	25	Yes	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	19.95	17.95	15.95	13.95
1950884	APS	AD725U-1120A	+12/2.1	2.1mm x 5.5mm F 2	100-240@50-60	25	No	3.8 x 2.1 x 1.3	6'/ 2	0.5	UL/CUL/TUV/CE	15.95	14.49	12.95	11.95
1586277	Phihong ℛ	PSC30U-120-R	+12/2.5	2.1mm x 5.5mm F 2	100-240@50-60	30	No	3.9 x 2.2 x 1.2	5'/ 2	0.6	UL/CUL/TUV/CE	24.95	22.49	19.95	17.95
1918690	First Vision	SA06H12-A	+12/2.5	2.5mm x 5.5mm F 2	100-240@50-60	30	Yes	3.7 x 2.0 x 1.4	4'/ 2	0.6	UL/CUL/TUV/CE	10.95	9.95	8.95	7.95
1942147	Jentec	SA06H1217-A	+12/2.5	2.5mm x 5.5mm F 2	100-240@50-60	30	Yes	3.7 x 2.0 x 1.4	6'/ 2	0.6	UL/CUL/TUV/CE	12.95	10.95	9.95	8.95
1586146	EDAC, Inc.	EA10301	+12/3.0	2.5mm x 5.5mm F 2	100-240@50-60	36	Yes	3.8 x 1.8 x 1.2	6'/ 2	0.7	UL/CUL/TUV/CE	19.95	17.95	15.95	13.95
155214	Mean Well ℛ ✔	P40A-3P2JU	+12/3.33	2.1mm x 5.5mm F 2	100-240@50-60	40	Yes	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/TUV	39.95	35.95	32.95	29.95
1708625	HiPro	HP02040043	+12/3.33	2.5mm x 5.5mm F 2	100-240@50-60	40	Yes	4.3 x 2.4 x 1.2	5'/ 2	0.7	UL/CUL/TUV/CE/CEC	17.95	15.95	13.95	12.49
297693	Mean Well ℛ	P40A-3P2MU-R	+12/3.33	2.5mm x 5.5mm F 2	100-240@50-60	40	Yes	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/TUV/CE	31.95	29.95	27.95	25.95
1952345	Mean Well ℛ	GS40A12-P1J	+12/3.4	2.1mm x 5.5mm F 2	90-264@47-63	40	Yes	4.9 x 2.0 x 1.3	4'/ 2	0.7	UL/CUL/TUV/CEC	25.95	24.49	22.95	21.49
1940264	EDAC, Inc. ℛ	EA1050E	+12/3.5	2.1mm x 5.5mm F 2	100-240@50-60	42	Yes	4.7 x 2.4 x 1.4	4'/ 2	0.6	UL/CUL/TUV/CE	22.95	20.95	18.95	17.49
1940272	EDAC, Inc. ℛ	EA1050C	+12/4.16	2.1mm x 5.5mm F 2	100-240@50-60	50	Yes	4.7 x 2.4 x 1.4	4'/ 2	0.6	UL/CUL/TUV/CE	26.95	24.95	22.95	20.95
1586314	Phihong ℛ	PSC60M-120-R	+12/5.0	2.1mm x 5.5mm F 2	100-240@50-60	60	No	5.1 x 2.4 x 1.3	4'/6'	0.7	UL/CUL/TUV/CE	44.95	40.95	36.95	32.95
1952370	Mean Well ℛ	GS60A12-P1JU	+12/5.0	2.1mm x 5.5mm F 2	90-264@47-63	60	Yes	4.9 x 1.9 x 1.2	4'/ 2	0.7	UL/CUL/TUV/CEC	28.95	26.95	24.95	22.95
155231	Mean Well ℛ	SPU50-3U	+12/5.0	2.1mm x 5.5mm F 2	100-240@47-63	60	Yes	5.7 x 3.0 x 1.7	6'/6'	1.3	UL/CSA/TUV	54.95	49.95	46.95	43.95

* See accessory table-top power cord chart on page 122 when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord † Right angle

✔ CEC Equivalent available CEC

3-Wire Regulated Table-Top Power Supplies continued on next page

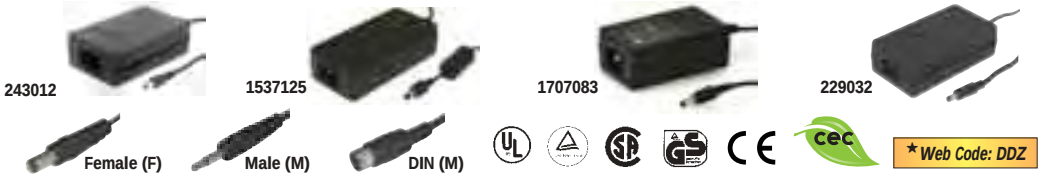
ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

AC-to-DC Regulated Switching Table-Top Power Supplies (Continued)

We are happy to change the power plug on any listed table-top power supply to a connector of your choice (see pg 126) for just $2.50 each. A 100 pc. minimum order applies.

See page 131 for International Power Cords

◆ Polarity 1 (center negative)
Polarity 2 (center positive)
Female(F) Male(M)



★Web Code: DDZ

Part No.	Manufacturer	Manufacturer Part No.	Output Volts (VDC)/ Current (A)	Output Connector ID x OD mm Female/Male; Polarity ◆	Input VAC@Hz	Output Pwr (W)	LED Ind.	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing 1	10	50	100
3-Wire AC Input – Regulated Switching Table-Top – Single Output (Continued)															
2099420	Sparkle Power	FSP060-DBAB1	+12/5.0	2.5mm x 5.5mm F 2	100-240@50-60	60	Yes	4.3 x 2.4 x 1.2	5'/ 2	0.5	UL/CUL/TUV/CEC	$32.95	$29.95	$26.95	$23.95
376607	Mean Well ℛ ✔	P66A-3P2JU	+12/5.5	2.1mm x 5.5mm F 2	100-240@50-60	66	Yes	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CEC	54.95	49.95	44.95	40.95
2078291	Mean Well ℛ	GS90A12-P1M	+12/6.67	2.5mm x 5.5mm F 2	100-240@50-60	80	Yes	5.7 x 2.3 x 1.3	4'/ 2	0.9	UL/CUL/TUV/CEC	44.49	41.49	38.95	36.49
221429	Mean Well ℛ	U65S105-P2JU	+12/6.7	2.1mm x 5.5mm F 2	100-240@50-60	80	Yes	6.6 x 3.1 x 1.8	6'/6'	2.0	UL/CUL/TUV/CE	64.95	59.95	54.95	49.95
1940846	Mean Well ℛ	AS-120P-12	+12/8.4	4-pin DIN M	100-240@50-60	100	No	6.6 x 2.6 x 1.4	4'/ 2	1.2	UL/CUL/TUV/CE	58.95	54.95	51.95	48.95
2099294	Mean Well ℛ	GS220A12-R7B	+12/15	4-pin DIN M	90-264/127-370@47-63	180	Yes	8.3 x 3.4 x 1.8	3.3/ 2	2.4	UL/CUL/TUV/CE/PFC	129.95	116.95	104.95	94.95
1954261	Mean Well ℛ	GS15A-4P1J	+15/1.0	2.1mm x 5.5mm F 2	100-240@50-60	15	No	3.1 x 2.3 x 1.3	6'/ 2	0.5	UL/CUL/TUV/CEC	18.49	16.49	14.49	12.95
1940432	Mean Well ℛ	GS18A15-P1JU	+15/1.2	2.1mm x 5.5mm F 2	100-240@50-60	18	Yes	3.7 x 2.1 x 1.4	6'/6'	0.5	UL/CUL/TUV/CEC	18.49	16.49	14.49	12.95
1940619	Mean Well ℛ	GS25A15-P1J	+15/1.66	2.1mm x 5.5mm F 2	100-240@50-60	25	No	3.7 x 2.1 x 1.4	6'/ 2	0.5	UL/CUL/TUV/CEC	16.49	14.95	13.49	12.49
380542	Mean Well ℛ	ES25A15-P1MU	+15/1.66	2.5mm x 5.5mm F 2	90-264@47-63	25	Yes	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	17.95	15.95	13.95	12.49
243012	Mean Well ℛ ✔	P30A-41P2JU	+15/1.8	2.1mm x 5.5mm F 2	100-240@50-60	27	Yes	4.2 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	24.95	22.49	19.95	18.49
221577	Mean Well ℛ	GS40A15-P1J	+15/2.67	2.1mm x 5.5mm F 2	90-264@50-60	40	Yes	4.9 x 2.0 x 1.3	6'/ 2	0.8	UL/CUL/TUV/CE/CEC	25.95	24.49	22.95	21.49
391743	Mean Well ℛ ✔	P66A-4P2JU	+15/4.4	2.1mm x 5.5mm F 2	100-240@50-60	66	Yes	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	39.95	35.95	32.49	28.95
2078320	Mean Well ℛ	GS90A15-P1M	+15/6.0	2.5mm x 5.5mm F 2	100-240@50-60	90	Yes	5.7 x 2.3 x 1.3	39"/ 2	0.8	UL/CUL/TUV/CEC	44.49	41.49	38.95	36.49
1940854	Mean Well ℛ	AS-120P-15	+15/6.7	4-pin DIN M	100-240@50-60	100	No	6.6 x 2.6 x 1.4	4'/ 2	1.2	UL/CUL/TUV/CE	58.95	54.95	51.95	48.95
379841	Mean Well ℛ ✔	ES25A18-P1JU	+18/1.38	2.1mm x 5.5mm F 2	90-264@47-63	25	Yes	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	18.95	16.95	14.95	13.49
243046	Mean Well ℛ	P66A-5P2JU	+18/3.66	2.1mm x 5.5mm F 2	100-240@50-60	66	Yes	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CUL/TUV/CE	44.95	40.95	36.95	32.95
148267	AcBell	AP13AD02	+19/3.42	2.5mm x 5.5mm F 2†	100-240@50-60	65	No	4.2 x 1.8 x 1.1	6'/6'	0.8	UL/CUL/TUV/CE	36.95	32.95	29.95	26.95
2099411	Sparkle Power	FSP090-DMCBI	+19/4.74	7ea. R/A plugs F 2††	100-240@50-60	90	No	5.3 x 2.3 x 1.3	6'/5'	0.7	UL/CUL/TUV/CEC	59.95	53.95	47.95	42.95
2099761	Hi-Capacity	AC-C10K	+19/8.0	2.5mm x 5.5mm F 2	100-240@50-60	120	Yes	6.6 x 2.4 x 1.5	4'/6'	1.0	UL/CUL/TUV/CE	49.95	44.95	39.95	35.95
1954279	Mean Well ℛ	GS15A-6P1J	+24/0.62	2.1mm x 5.5mm F 2	90-264@47-63	12	No	3.9 x 2.3 x 1.3	6'/ 2	0.4	UL/CUL/TUV/CEC	18.49	16.49	14.49	12.95
1940459	Mean Well ℛ	GS18A24-P1J	+24/0.75	2.1mm x 5.5mm F 2	100-240@50-60	18	Yes	3.7 x 2.1 x 1.4	6'/ 2	0.5	UL/CUL/TUV/CEC	15.95	14.49	13.49	12.49
1940635	Mean Well ℛ	GS25A24-P1JU	+24/1.04	2.1mm x 5.5mm F 2	100-240@50-60	25	No	3.7 x 2.1 x 1.4	6'/6'	0.5	UL/CUL/TUV/CEC	18.95	16.95	14.95	13.49
380577	Mean Well ℛ	ES25A24-P1MU	+24/1.04	2.5mm x 5.5mm F 2	100-240@50-60	25	Yes	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	19.95	17.95	15.95	13.95
229026	Phihong ℛ	PSC30U-240-R	+24/1.25	2.1mm x 5.5mm F 2	100-240@50-60	30	No	4.5 x 2.4 x 1.4	6'/ 2	0.5	UL/CUL/TUV/CE	26.95	24.95	22.95	21.49
1952353	Mean Well ℛ	GS40A24-P1J	+24/1.67	2.1mm x 5.5mm F 2	90-264@47-63	40	Yes	4.9 x 2.0 x 1.2	6'/ 2	0.7	UL/CUL/TUV/CEC	25.95	24.49	22.95	21.49
1537256	Ault	PW125RA2403F2	+24/1.7	2.5mm x 5.5mm F 2	100-250@50-60	41	Yes	3.9 x 2.6 x 1.7	6'/ 2	0.7	UL/CUL/TUV/CE	24.95	22.49	19.95	15.95
1940281	EDAC, Inc. ℛ	EA1050D	+24/2.08	2.1mm x 5.5mm F 2	100-240@50-60	50	Yes	4.7 x 2.4 x 1.4	4'/ 2	0.6	UL/CUL/TUV/CEC	24.95	22.49	19.95	17.95
1537125	EDAC, Inc. ℛ	EA1050B-240	+24/2.5	2.1mm x 5.5mm F 2	100-240@47-63	60	Yes	4.8 x 2.4 x 1.4	6'/ 2	1.8	UL/CUL/TUV/CE	26.95	24.95	22.95	20.95
1942788	EDAC, Inc. ℛ	EA1050B240	+24/2.5	2.1mm x 5.5mm F 2	100-240@50-60	60	Yes	4.8 x 2.4 x 1.4	6'/ 2	1.8	UL/CUL/TUV/CE/CEC	26.95	24.95	22.95	20.95
1952214	Mean Well ℛ	GS60A24-P1JU	+24/2.5	2.1mm x 5.5mm F 2	90-264@47-63	60	Yes	4.9 x 2.0 x 1.3	6'/6'	0.7	UL/CUL/TUV/CEC	31.49	28.95	26.49	24.49
161606	Mean Well ℛ	SPU50-6U-R	+24/2.5	2.1mm x 5.5mm F 2	100-240@47-63	60	Yes	5.6 x 2.9 x 1.6	6'/6'	1.3	UL/CSA/TUV	49.95	44.95	39.95	35.95
1950913	EDAC, Inc. ℛ	EA1050B-240-1	+24/2.5	2.5mm x 5.5mm F 2	100-240@50-60	60	Yes	4.8 x 2.4 x 1.4	6'/ 2	1.8	UL/CUL/TUV/CE	29.95	26.95	24.95	22.95
355056	ReliaPro ℛ	JR-TT-66-24	+24/2.75	2.1mm x 5.5mm F 2	100-240@50-60	66	Yes	5.8 x 3.0 x 1.7	6'/ 2	1.2	UL/CUL/TUV/CE	44.95	40.95	36.95	32.95
2078338	Mean Well ℛ	GS90A24-P1M	+24/3.75	2.5mm x 5.5mm F 2	100-240@50-60	90	No	5.9 x 2.3 x 1.2	4' / 2	0.9	UL/CUL/TUV/CEC	44.49	41.49	38.95	36.49
1940871	Mean Well ℛ	AS-120P-24	+24/5.0	2.5mm x 5.5mm F 2	100-240@50-60	120	No	6.6 x 2.6 x 1.4	4' / 2	1.2	UL/CUL/TUV/CE	58.95	54.95	51.95	48.95
2099286	Mean Well ℛ	GS220A24-R7B	+24/9.2	4-pin DIN M	90-264/127-370@47-63	220	Yes	8.3 x 3.4 x 1.8	3.3'/ 2	2.4	UL/CUL/TUV/CE/PFC	129.95	116.95	104.95	94.95
1707083	Mean Well	ES18A28-P1J	+28/0.64	2.1mm x 5.5mm F 2	100-264@47-63	18	Yes	3.7 x 2.1 x 1.4	6'/ 2	0.5	UL/CUL/TUV/CB/CE	12.95	10.95	9.49	8.49
1940643	Mean Well ℛ	GS25A28-P1JU	+28/0.89	2.1mm x 5.5mm F 2	100-240@50-60	25	No	3.7 x 2.1 x 1.4	6'/6'	0.7	UL/CUL/TUV/CEC	18.95	16.95	14.95	13.49
1940475	Mean Well ℛ	GS18A48-P1JU	+48/0.37	2.1mm x 5.5mm F 2	100-240@50-60	18	No	3.6 x 2.1 x 1.4	6'/6'	0.5	UL/CUL/TUV/CEC	18.49	16.49	14.49	12.95
379903	Mean Well	ES25A48-P1JU	+48/0.52	2.1mm x 5.5mm F 2	100-240@50-60	25	No	3.7 x 2.1 x 1.4	6'/6'	0.5	UL/CUL/TUV	16.95	15.49	13.95	12.95
1940651	Mean Well ℛ	GS25A48-P1J	+48/0.52	2.1mm x 5.5mm F 2	100-240@50-60	25	No	3.7 x 2.1 x 1.4	6'/ 2	0.5	UL/CUL/TUV/CEC	16.49	14.95	13.49	12.49
380606	Mean Well ℛ	ES25A48-P1MU	+48/0.52	2.5mm x 5.5mm F 2	100-240@50-60	25	Yes	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	17.95	15.95	13.95	12.49
229032	Phihong	PSA31U-480	+48/0.63	2.1mm x 5.5mm F 2	90-264@47-63	30	No	4.5 x 2.4 x 1.6	6'/ 2	0.5	UL/CUL/TUV/CE	24.95	22.49	19.95	18.95
221584	Mean Well ℛ ✔	P40A-8P2JU	+48/0.8	2.1mm x 5.5mm F 2	100-240@50-60	40	Yes	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	25.95	23.95	21.95	19.95
221585	Mean Well ℛ	GS40A48-P1J	+48/0.84	2.1mm x 5.5mm F 2	100-240@50-60	40	Yes	4.9 x 2.0 x 1.3	6'/6'	0.8	UL/CUL/TUV/CE	27.95	25.95	23.95	21.95
172065	Mean Well ℛ	SPU50-9U	+48/1.25	2.1mm x 5.5mm F 2	100-240@50-60	60	Yes	5.6 x 2.9 x 1.7	6'/6'	1.3	UL/CSA/TUV	44.95	39.95	36.95	33.95
1952396	Mean Well ℛ	GS60A48-P1JU	+48/1.25	2.1mm x 5.5mm F 2	90-264@47-63	60	Yes	4.9 x 2.0 x 1.2	6'/6'	0.7	UL/CUL/TUV/CE/CEC	31.49	28.95	26.49	24.49
376615	Mean Well ℛ	P66A-8P2JU	+48/1.37	2.1mm x 5.5mm F 2	100-240@50-60	66	Yes	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	54.95	49.95	44.95	39.95
379681	Mean Well ℛ	P66A-8P2MU	+48/1.37	2.5mm x 5.5mm F 2	90-264@47-63	66	Yes	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	54.95	28.95	44.95	39.95
3-Wire AC Input – Regulated Switching Table-Top – Double Output															
196270	Horizon ℛ	PSU25A13	+5/2.5, +12/1.0	4-pin mini DIN M	100-240@47-63	25	No	4.2 x 2.6 x 1.4	6'/4'	1.2	UL/CUL/TUV/CE	$32.95	$29.95	$26.95	$23.95
221720	Mean Well ℛ	P25A14E-R1BU	+5/2.5, ±15/0.3	5-pin DIN M	100-240@50-60	25	Yes	4.3 x 2.6 x 1.4	6'/ 2	0.8	UL/CUL/TUV/CE	34.95	31.49	28.95	25.95

* See accessory table-top power cord chart on page 122 when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord † Right Angle
†† Includes 7ea. DC right angle plugs (1.7 x 4.75, 1.7 x 5.5, 2.1 x 5.5, 2.5 x 5.5, 3.0 x 6.3, 4.3 x 6.5, 5.8mm x 6.5mm) for various notebook compatibility
✔ CEC Equivalent available. Add an "C" before part number for CEC version. CEC

3-Wire Regulated Table-Top Power Supplies continued on next page

AC-to-DC Regulated Switching Table-Top Power Supplies (Continued)

We are happy to change the power plug on any listed table-top power supply to a connector of your choice (see below) for just $2.50 each. A 100 pc. minimum order applies.

Part Number	Manufacturer	Manufacturer Part No.	Output Volts (VDC)/ Current (A)	Output Connector ID x OD mm Female/Male; Polarity	Input VAC@Hz	Output Pwr (W)	LED Ind.	Size (L" x W" x H")	Cords (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing 1	10	50	100
3-Wire AC Input – Regulated Switching Table-Top – Triple Output															
190960	Mean Well	P25A13D-R1U	+5/2.5, +12/0.8, -12/0.3	5-pin DIN M	100-240@50-60	26	Yes	4.1 x 2.6 x 1.4	6'/6'	1.1	CUL/TUV/CE	$39.95	$35.95	$32.95	$29.95
221702	Mean Well	P50A13D-R1BU	+5/4.0, +12/2.0, -12/0.5	5-pin DIN M	100-240@50-60	50	Yes	5.7 x 3.0 x 1.7	4'/6'	1.5	UL/CUL/TUV/CE	49.95	44.95	39.95	35.95
237367	Mean Well	P50A14E-R1BU	+5/3.5; +15/1.2, -15/0.3	5-pin DIN M	100-240@47-63	42	Yes	5.8 x 3.0 x 1.7	4'/6'	1.2	UL/CUL/TUV/CE	49.95	44.95	39.95	35.95

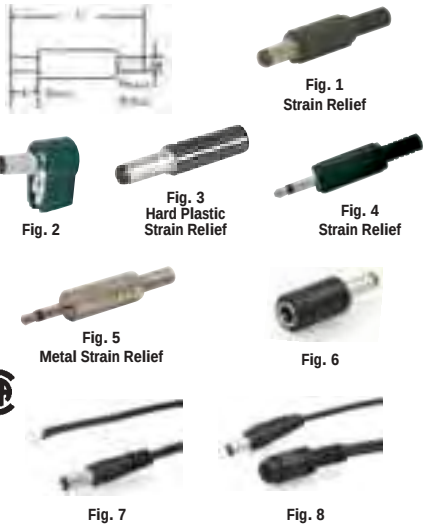
DC Power Plugs & Adapters

JAMECO ValuePro — NEW MARKED IN PINK — ★Web Code: MFP

Part No.	Manufacturer	Product No.	Fig.	Description (Barrel) Plug ID x OD x L (mm)	Strain Relief ID x L (mm)	1	10	100
Female Plugs								
71192	ValuePro	PP137	1	1.3 x 3.45 x 9.5	4.1 x 12 (black)	$.79	$.69	$.65
1537395	ValuePro	PL-005	2	1.3 x 3.5 x 9.4 (rt. angle)	2.8 x 11	.95	.85	.75
2098013	ValuePro	DCP-111	1	1.7 x 5.5 x 9.8	4.6 x 12 (black)	.95	.85	.75
191484	ValuePro	PP049W	1	2.1 x 5.5 x 9.0	4.6 x 12.5 (white)	.69	.59	.55
2004890	ValuePro	PP049S	1	2.1 x 5.5 x 9.5	4.5 x 12.5 (black)	.79	.69	.65
297617	Switchcraft	S760	3	2.1 x 5.5 x 9.5	5.5 x 25 (black)	2.95	2.49	2.25
28760	ValuePro	PP049	1	2.1 x 5.5 x 10 (P205)	4.1 x 12 (black)	.79	.69	.55
138587	ValuePro	PJ021R	2	2.1 x 5.5 x 12 (rt. angle)	2.8 x 11 (black)	.89	.79	.65
147329	ValuePro	PP049L	1	2.1 x 5.5 x 14 (P205L)	4.3 x 12 (black)	.89	.79	.65
190538	ValuePro	PP109S	1	2.5 x 5.5 x 9.5	5.0 x 13 (black)	.59	.55	.49
281877	Switchcraft	760	3	2.5 x 5.5 x 9.5	5.5 x 25 (black)	2.95	2.49	2.19
28768	ValuePro	PP109	1	2.5 x 5.5 x 10 (P206)	4.2 x 12 (black)	.79	.69	.59
147336	ValuePro	PP109L+	1	2.5 x 5.5 x 14 (P206L)	4.2 x 12 (black)	.79	.69	.59
168242	ValuePro	PP109N	3	2.5 x 5.5 x 14	3.9 x 22 (black)	.69	.59	.55
2099163	ValuePro	PL-008	2	2.5 x 5.5 x 9.5 (rt. angle)	2.8 x 11	.95	.85	.75
Male Plugs								
101135	ValuePro	PJ1025	4	— x 2.5 x 11 (P201)	4.3 x 13 (black)	$.79	$.69	$.55
231176	ValuePro	AP-340	4	— x 3.5 x 14 (stereo)	4.3 x 13.5 (black)	.79	.69	.55
231167	ValuePro	AP-343	5	— x 3.5 x 14 (stereo)	4.4 x 13 (metal)	1.49	1.25	.99
231160	ValuePro	PJ1035	5	— x 3.5 x 14 (mono)	4.8 x 13.5 (metal)	1.49	1.25	.99
101152	ValuePro	PJ1035	4	— x 3.5 x 14.5 (P202)	4.0 x 13 (black)	.69	.59	.49
Female Power Plug Adapters								
1953604	ValuePro	DCP2.1-DCJ2.5	6	2.1mm **M** to 2.5mm **F** (1.4"L)	—	$1.49	$1.25	$.99
1953591	ValuePro	DCP2.5-DCJ2.1	6	2.5mm **M** to 2.1mm **F** (1.4"L)	—	1.49	1.25	.99

DC Cords with Pigtail

Part No.	Manufacturer	Product No.	Fig.	Description (Barrel) Plug ID x OD x L (mm)	AWG	1	10	100
2096763	ValuePro	DCCORD2.1	7	2.1 x 5.5 x 6' cable	24 (black)	$1.59	$1.39	$1.15
2096771	ValuePro	DCCORD2.5	7	2.5 x 5.5 x 6' cable	24 (black)	1.59	1.39	1.15
DC Extension Power Cables								
2099121	ValuePro	DCEXTCORD2.1- 6FT	8	2.1F x 2.1M x 6' cable	18 (black)	$2.49	$2.25	$1.95
2099147	ValuePro	DCEXTCORD2.1- 3FT	8	2.1F x 2.1M x 3' cable	18 (black)	2.25	1.95	1.75
2099139	ValuePro	DCEXTCORD2.5- 6FT	8	2.5F x 2.5M x 6' cable	18 (black)	2.49	2.25	1.95
2099155	ValuePro	DCEXTCORD2.5- 3FT	8	2.5F x 2.5M x 3' cable	18 (black)	2.25	1.95	1.75



Need special orders or pricing? Call us at 1-800-831-4242

Male & Female Power Jacks

★Web Code: BAM

Part No.	Manufacturer	Product No.	Dimensions H x W x D (mm)	Type/ Mount	Circuit/ Terminal	Mating Plug (above)	1	10	100
1.3 mm Male Jack									
101194	Various	PP024	6.0 x 6.0 x 9.0	1/D	1/B	1.3 mm **F**	$.59	$.55	$.45
2.1 mm Male Jacks									
101178	Various	PP014+	10.9 x 9.0 x 14.5	2/D	1/A	2.1 mm **F**	$.39	$.35	$.29
137673	Various	PP013	10.9 x 9.0 x 14.5	3/D	4/A	2.1 mm **F**	.45	.39	.35
151590	Various	DPJ-02IA	18.0 x 12.6 Dia.	4/C†	1/A	2.1 mm **F**	.89	.79	.69
151555	ValuePro	DPJ-026	21.0 x 8.0 Dia.	5/E	1/A	2.1 mm **F**	1.49	1.35	1.19
159611	Various	PJ1014A	57.5 x 12.6 Dia.	6/F	3/A	2.1 mm **F**	1.75	1.59	1.39
281851	Switchcraft	722A	15.1 x 7.5 Dia.	7/C	1/A	2.1 mm **F**	2.75	2.49	2.25

† Center offset

Continued on next page

Automobile Fused Power Plugs with Cords

JAMECO ValuePro

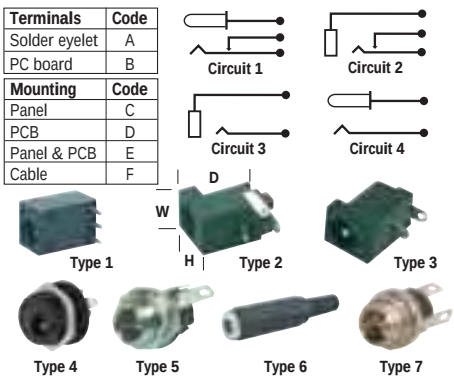
- Accepts .25" x 1.25" fuse

115002: Screw assembly w/ strain relief
124760: 3' cord w/ pigtail
105064: 12' cord w/ pigtail

Part No.	Mfr.	Fuse	1	10	100
115002	ValuePro	5A/250VAC	$2.25	$1.99	$1.79
124760	ValuePro	3A/250VAC	2.49	2.25	1.99
105064	Various	2A/250VAC	1.95	1.75	1.39

Terminals	Code
Solder eyelet	A
PC board	B

Mounting	Code
Panel	C
PCB	D
Panel & PCB	E
Cable	F



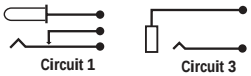
℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 190.*

Male & Female Power Jacks (Continued)

★Web Code: BAM

Terminals	Code
Solder eyelet	A
PC board	B

Mounting	Code
Panel	C
PCB	D
Panel & PCB	E
Cable	F

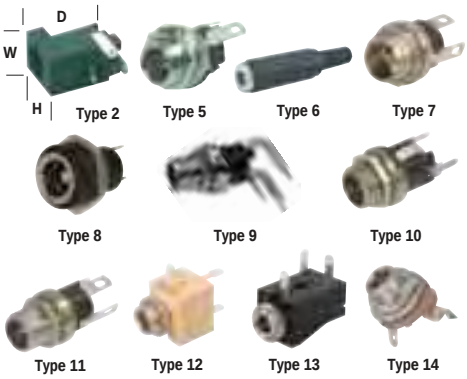


2.5 mm Male Jacks

Part No.	Manufacturer	Product No.	Dimensions H x W x D (mm)	Type/ Mount	Circuit/ Terminal	Mating Plug (above)	1	10	100
207714	Various	HEC0470	11.0 x 9.0 x 14.5	2/D	1/B	2.5 mm F	$.75	$.69	$.59
101186	Various	PP014A+	11.0 x 9.0 x 14.5	2/D	1/A	2.5 mm F	.55	.49	.39
151563	Various	DPJ-026A℞	15.1 x 8.0 Dia.	5/E	1/A	2.5 mm F	1.49	1.35	1.19
159506	Various	PJ1015A℞	57.5 x 12.6 Dia.	6/F	3/A	2.5 mm F	1.75	1.49	1.39
202358	Various	HD2388	12.4 x 7.7 Dia.	8/C	3/A	2.5 mm F	1.19	.99	.89
281842	Switchcraft	712A℞	15.8 x 7.5 Dia.	7/C	1/A	2.5 mm F	2.49	2.25	1.95
1768329	Switchcraft	712RA℞	19.6 x 10.9 Dia	9/D	1/B	2.5 mm F	3.49	3.15	2.75
297553	Switchcraft	PC712A℞	23.3 x 11.0 Dia.	10/D	1/A	2.5 mm F	2.95	2.65	2.35
297529	Switchcraft	L712A℞	23.3 x 11.0 Dia.	11/C	1/A	2.5 mm F	3.95	3.39	2.95

3.5 mm Female Jacks

101143	ValuePro	PJ0352℞	10.0 x 10.0 x 18.5	12/E	2/A	3.5 mm M	$.39	$.35	$.29
109496	ValuePro	PJ035PM℞	10.5 x 9.0 x 20.0	13/C	2/A	3.5 mm M	.55	.49	.45
165730	ValuePro	PJ0354℞	15.5 x 5.9 Dia.	14/C	3/A	3.5 mm M	.79	.69	.59



Energy Star Worldwide Interchangeable AC-to-DC Regulated Switching Wall Adapters

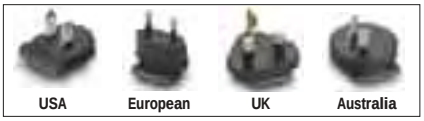
Meets US and European Energy Star compliance. Approved for European high-efficiency power applications.

★Web Code: NBH

- Field changeable AC Plug Clips **(sold separately, see below)**
- Input voltage: 90-264VAC @ 47-63Hz
- Output connector: 2.1mm x 5.5mm female center positive; except P/N 1918702: 2.5mm x 5.5mm female right angle center positive
- Load regulation: ±5%
- Regulated output
- Power-On LED
- Class B EMI
- Double insulated
- Color: black

Wall Adapters *(AC Plug Clip required, not included)*

- Applications: wireless communications, portable equipment, digital camera, peripherals and networking



Phihong & Mean Well AC Plug Clips (below)

Shown w/o AC Plug Clip
AC Plug Clips Not Included

Part No.	Manufacturer	Mfr. Part No.	Output Volt. (VDC)	Current (A)	Power (W)	Ripple (mVp-p)	Line Regulation	Efficiency (%)	Dimensions (L" x W" x H")	Pricing 1	10	50	100
1950761	Phihong	PSA05R-050PA	5	1.0	5	50	±1%	60 - 75	2.8 x 1.8 x 1.2	$11.95	$10.95	$9.95	$8.95
2082302	Mean Well	GE12I05-P1J℞	5	2.0	10	50	±5%	70	2.8 x 1.6 x 1.5	13.95	12.49	10.95	9.95
2095429	Phihong†	PSMIIR-060℞	6	1.66	10	100	±5%	73	2.8 x 1.8 x 1.2	19.95	17.95	15.95	13.95
1918702	Globtek*	GT-41052-1506℞	6	2.5	15	100	±1%	76	2.9 x 1.7 x 1.5	24.95	22.49	19.95	17.95
2082311	Mean Well	GE18I09-P1J℞	9	2.0	18	100	±5%	75	3.2 x 1.7 x 1.6	18.95	16.95	15.49	13.95
228770	Phihong	PSA05R-120℞	12	0.42	5	120	±5%	60	2.8 x 1.8 x 1.2	12.95	11.49	10.49	9.49
2108656	Phihong	PSC12R-120℞	12	1.0	12	240	±5%	78	2.8 x 1.8 x 1.2	14.95	13.49	11.95	10.95
662910	Phihong✪	PSA15R-120P℞	12	1.25	15	120	±5%	70 - 85	2.8 x 2.0 x 1.3	17.95	15.95	14.95	12.95
2082329	Phihong	PSC30R-120℞	12	2.5	30	180	±1%	80	3.8 x 2.1 x 1.2	23.95	21.49	18.95	16.95
2082337	Mean Well	GE12I15-P1J℞	15	0.8	12	150	±3%	76	2.8 x 1.6 x 1.5	13.95	12.49	10.95	9.95
2082345	Mean Well	GE12I24-P1J℞	24	0.63	15	240	±3%	80	2.8 x 1.6 x 1.5	13.95	12.49	10.95	9.95

†Comes with USA AC plug clip (RPA) * Globtek includes 4 piece interchangeable AC plug kit , comes with 2.5mm x 5.5mm female right angle center positive plug ✪ Blue Part Number = Limited Quantity Available

Phihong AC Plug Clips *(sold separately, required for above adapters)*

Part No.	Mfr. P/N	Description (see above for photos)	1	10	50	100
229155	RPA℞	USA AC plug only	$.69	$.65	$.59	$.55
229163	RPE℞	European AC plug only	.69	.65	.59	.55
229171	RPK	United Kingdom AC plug only	1.05	.99	.95	.89
2081422	RPS	Australia AC plug only	1.75	1.69	1.65	1.59
229181	RPKIT℞	Kit includes RPA/RPE/RPK/RPS clips (4)	3.49	2.95	2.69	2.39

Mean Well Plug AC Clips *(sold separately, required for above adapters)*

Part No.	Mfr. P/N	Description (see above for photos)	1	10	50	100
2082353	AC-Plug-US℞	USA AC plug only	$.69	$.65	$.62	$.59
2082361	AC-Plug-EU℞	European AC plug only	.89	.85	.79	.75
2082370	AC-Plug-UK℞	United Kingdom AC plug only	1.09	1.05	.99	.95
2082388	AC-Plug-AU℞	Australia AC plug only	.95	.89	.85	.79
2082396	AC-Plug-MIX℞	Kit includes US, EU, UK & AU clips (4)	3.49	2.95	2.69	2.39

5VDC@0.5A Interchangeable Wall Plug Adapter

With USB Socket Type A

- **Voltage output: 5VDC @ 0.5A**
- Voltage input: 90-264VAC @ 47-63Hz
- Efficiency: 55% (typical)
- Leakage current: 0.20µA max.
- UL/CUL/TUV/CE approved
- Size: 2.97"L x 1.81"W x 1.25"H
- Wall plug clips not included

Part No.	Product No.	1	10	50	100
662805	PSC30R-050℞	$10.95	$9.95	$8.95	$7.95

24-Watt Switching Table-Top Power Supply

Interchangeable AC & DC Plugs with Selected DC Outputs

- **Input voltage: 100-240VAC @ 50-60Hz**
- Output current: 2A
- Output connectors: 2.5mm & 3.5mm male, 1mm x 3mm, 2.1mm x 5mm, 2.5mm x 5mm, 1.35mm x 3.5mm x & 1.7mm x 4mm
- Interchangeable AC input plugs for USA/UK/Europe/Taiwan/China (included)
- Selectable outputs: 3VDC, 4.5VDC, 6VDC, 7.5VDC, 9VDC, 12VDC

Part No.	Mfr. Part No.	Size (H x W x D)	1	10	25
1537491	PSSMV3	4.7" x 3.3" x 2.5"	$39.95	$35.95	$32.95

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International Step-Up & Step-Down Transformers

★Web Code: RAL

Part No.	Product No.*	Fig.	Type	Volt Step	Primary Voltage	Secondary Voltage	Power (VA)	Dimensions H"	W"	D"	Wt. (lbs.)	Pricing 1	10	25
99477	AC220V50	1/A	Auto	Up	110VAC	220VAC	50	2.50	1.63	1.33	0.7	$9.95	$8.95	$7.95
85008	AC220V300	2/A	Auto	Up	110VAC	220VAC	300	3.50	3.05	3.95	4.8	49.95	44.95	39.95
221331	GIS-500ℛ	2/A	Isolation	—	110VAC	110VAC	500	4.69	3.75	6.00	16.0	59.95	53.95	48.95
221217	P8689	2/A	Auto	Down	110VAC	220VAC	1000	4.63	3.75	6.13	17.0	79.95	71.95	64.95
99573	AC110V50	1/B	Auto	Down	220VAC	110VAC	50	2.50	1.63	1.33	0.7	9.95	8.95	7.95
85016	AC110V300	2/B	Auto	Down	220VAC	110VAC	300	3.50	3.05	3.95	4.8	49.95	44.95	39.95
111851	AC110V500	2/B	Auto	Down	220VAC	110VAC	500	3.99	3.60	4.84	8.5	69.95	62.95	56.95
222092	GISD-1000	2/A	Isolation	Down	220VAC	110VAC	1000	5.38	4.38	8.13	31.0	89.95	79.95	71.95
142906	AC110V1500	2/B	Auto	Down	220VAC	110VAC	1500	5.25	4.50	5.75	15.2	109.95	99.95	89.95

Fig. 1

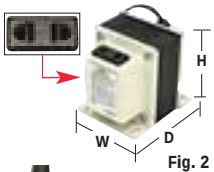
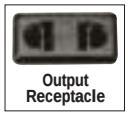


Fig. 2

Fig. A Plug

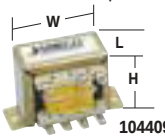
Fig. B Plug


Output Receptacle

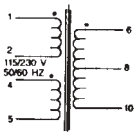
Quick-Connect Power Transformers

★Web Code: BAN

- Input voltage: 115/230VAC, 50-60Hz
- Terminals: quick-connect, solder



104409



Part No.	Product No.	Triad Cross*	Input Voltage	Output Voltage	VA	Size of Connect	Dimensions L"	W"	H"	Wt. (lbs.)	Pricing 1	10	25
104387	XFR1225Q	FD612	115/230VAC	12.6VCT @ 2.5A	31.5	0.187"	1.75	2.33	2.00	1.3	$13.95	$12.49	$10.95
104409	XFR1635Qℛ	FD716†	115/230VAC	16VCT @ 3.5A	56.0	0.141"	2.25	2.68	2.33	1.8	15.95	14.49	12.95
101864	XFR2424Q+	FD724	115/230VAC	24VCT @ 2.4A	57.6	0.141"	2.10	2.70	2.29	1.7	13.95	12.49	10.95
104417	XFR3615Qℛ	FD736	115/230VAC	36VCT @ 1.5A	54.0	0.141"	2.30	2.70	2.30	1.8	15.95	14.49	12.95

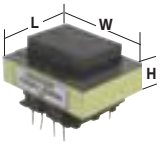
† Terminal solder lugs are on same side * Triad cross is for reference only

Split-Bobbin Power Transformers (2.5 to 19.2VA)

★Web Code: LBK

Non-concentrically wound with primaries and secondaries side-by-side providing low capacitive coupling.

- Primary: 115/230VAC, 50-60Hz
- PC terminal pin spacing for accurate placement



221292

* Triad cross is for reference only

Part No.	Product No.	Triad Cross*	Input Voltage	VA	Individual Output	Parallel Output	Series Output	Dimensions L"	W"	H"	Wt. (lbs.)	Pricing 1	10	100
221292	DSW-312	FS12200	115/230	2.5	6.3V @ .20A	6.3V @ .40A	12.6VCT @ .20A	1.38	1.13	1.19	0.3	$6.95	$6.25	$5.59
102534	XFR1205SBℛ	FS12500	115/230	6.3	6.3V @ .50A	6.3V @ 1.0A	12.6VCT @ .50A	1.32	1.64	1.38	0.4	7.95	6.95	6.25
102518	XFR1602SBℛ	FS16150	115/230	2.4	8V @ .15A	8V @ .30A	16VCT @ .15A	1.17	1.40	1.20	0.3	6.95	6.25	5.59
116089	14A-2.5R-2Y	Signal	118/230	2.5	12V @.20A	12V @ .40A	24VCT @ .10A	1.62	1.31	1.12	0.25	4.95	4.49	3.95
102593	XFR2405SBℛ	FS24500	115/230	12.0	12V @ .50A	12V @ 1.0A	24VCT @ .50A	1.58	1.90	1.46	0.7	7.95	6.95	5.95
148559	XFR3603SB	FS36350	115/230	12.6	18V @ .35A	18V @ .70A	36VCT @ .35A	1.59	1.91	1.46	0.7	7.95	6.95	5.95
209015	ST-6-48	—	115	19.2	24V @.40A	24V @ .80A	48VCT @ .40A	1.88	2.25	1.40	0.8	3.95	3.59	2.95

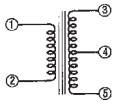
Power Transformers (7.6 to 288VA)

★Web Code: JAM

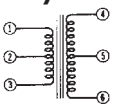
Power transformers have both single and dual-voltage input and center-tapped outputs. This makes them the perfect choice for power supply design or for use in transformer, rectifier and filter circuits.

- Primary: 115VAC or 115/230VAC, 50-60Hz

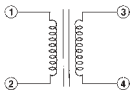
29226



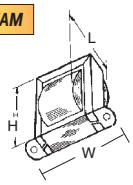
115VAC 50-60Hz
Fig.1



115/230VAC 50-60Hz
Fig. 2



115VAC 50-60Hz
Fig. 3



Part No.	Mfr. Part No.	Triad Cross#	Primary Color Code			VA	Secondary Voltage	Secondary Color Code			Lead Type	Fig.	Dimensions L"	W"	H"	Wt. (lbs.)	Pricing 1	10	100
102163	XFR6102ℛ	F314X	Black	Yellow*	Red	7.6	6.3VCT @ 1.2A	White	Black*	White	Wire	2	1.84	2.40	1.67	0.8	$6.95	$6.25	$4.95
105523	XFR0910+	N/A	Black	White*	Red	9.0	9VCT @ 1A	Blue	Black*	Blue	Wire	2	1.82	2.43	1.67	0.7	6.95	6.25	5.59
221400	P-8657ℛ	F218X	Black	N/A	Black	24.0	12VAC @ 2A	White	N/A	White	Wire	3	1.89	2.75	1.99	1.3	8.95	7.95	5.95
221356	P-8658	F219X	Black	N/A	Black	48.0	12VAC @ 4A	White	N/A	White	Wire	3	2.25	4.00	2.63	2.3	12.95	11.49	8.95
29226	XFR122ℛ	F44X	Yellow	N/A	Yellow	25.2	12.6VCT @ 2A	Blue	Red*	Black	Wire	1	2.41	2.79	1.99	1.5	13.95	12.49	9.95
102155	XFR1220ℛ	F344X	Black	Yellow*	Red	25.2	12.6VCT @ 2A	White	Black*	White	Wire	2	2.35	2.32	1.97	1.5	13.95	12.49	9.95
149771	XFR1240ℛ	F3181U	Black	Red*	Yellow	50.4	12.6VCT @ 4A	White	Black*	White	Wire	2	2.45	3.20	2.25	2.2	14.95	13.49	10.95
102121	XFR124ℛ	F181U	Black	N/A	Black	50.4	12.6VCT @ 4A	White	Black*	White	Wire	1	2.45	3.21	2.26	2.7	15.95	14.95	11.95
105532	XFR1810ℛ	N/A	Blue	Red*	Black	18.0	18VCT @ 1A	Yellow	Black*	Yellow	Wire	2	2.20	2.81	1.99	1.2	8.95	7.95	5.95
149957	XFR1820ℛ	N/A	Black	Red*	Yellow	36.0	18VCT @ 2A	White	Black*	White	Wire	2	2.25	3.15	2.71	1.8	10.95	9.95	7.95
221382	P8396ℛ	N/A	Black	N/A	Black	9.6	24VCT @ 0.4A	White	Black*	White	Wire	1	1.63	2.80	1.97	0.6	7.95	6.95	5.95
102112	XFR2410ℛ	F346X	Black	Yellow*	Red	24.0	24VCT @ 1A	White	Black*	White	Wire	2	2.41	2.80	1.99	1.5	10.95	9.95	7.95
221373	P-8662ℛ	F192X	Black	N/A	Black	48.0	24VCT @ 2A	White	Black*	White	Wire	1	2.44	3.60	2.23	2.3	13.95	12.49	9.95
112513	XFR242Nℛ	F229X	Black	N/A	Black	48.0	24VAC @ 2A	White	N/A	White	Wire	3	2.33	3.16	2.28	1.8	13.95	12.49	9.95
221365	P-8663ℛ†	F193U	N/A	N/A	N/A	96.0	24VCT @ 4A	N/A	N/A	N/A	Lug	1	2.81	2.94	4.00	4.0	19.95	17.95	15.95
221411	P-8666ℛ†	F226U	N/A	N/A	N/A	288.0	24VCT @ 12A	N/A	N/A	N/A	Lug	1	4.63	3.75	4.63	11.2	54.95	49.95	44.95
99654	XFR242ℛ	N/A	Red	N/A	Red	49.2	24.6VCT @ 2A	Blue	Yellow*	Blue	Wire	1	2.44	3.22	2.30	2.5	13.95	12.49	9.95
102104	XFR2520ℛ	F341X	Black	White*	Red	50.4	25.2VCT @ 2A	Orange	Black*	Orange	Wire	2	2.45	3.22	2.26	2.8	13.95	12.49	9.95
149797	XFR2820ℛ	F3185U	Black	Red*	Yellow	56.0	28VCT @ 2A	White	Black*	White	Wire	2	2.45	3.22	2.26	2.3	13.95	12.49	9.95

† Solder terminals * Center tap # Triad cross is for reference only

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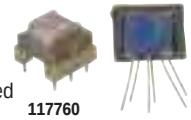
PC Mount Modem Coupling Transformers


117760 125357

125357: • Core type: EI-14
- Insulation resistance: 100MΩ
- ±20% impedance matching and DC resistance matching
- Hipot tested: 1000VAC • Vacuum wax impregnated

117760:
- Dielectric strength: 1250VAC • Insertion loss: 2.50dB @ 1kHz

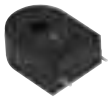
Part No.	Product No.	Impedance (Ω) Primary	Impedance (Ω) Secondary	Resistance (Ω) Primary	Resistance (Ω) Secondary	Pricing 1	Pricing 10	Pricing 100
125357	XFR6006A14ℛ	600CT	600CT	65	55	$2.25	$1.95	$1.75
117760	671-8014	600	600	108	120	2.95	2.75	2.49

TRIAD Low Frequency Current Sensing Transformer

May be used to monitor current 0.1-30A @ frequencies 50-400Hz.
- Turns ratio: 1:500 • Typical output: 110mV/amp
- Hi-pot: 500V • Burden resistor: 60Ω

Part No.	Product No.	Sen DCR	Primary DCR	1	10	100
627591	CSE187L	21Ω max.	250μΩ max.	$2.49	$2.25	$1.95

TRIAD Current Sensing Transformer



- Frequency range: 20-200kHz • Min. inductance: 3.5mH
- Primary is inserted thru hole in casing
- Arrow side of primary conductor has same polarity as pin #1

Part No.	Product No.	DCR	Primary Arms	1	10	100
627621	CST306-1A	0.34Ω max.	35	$3.95	$3.59	$3.25

TRIAD PC Mount Data/Voice Dual Transformer

- Frequency range: data voice: 300 – 3500Hz; data: 800 to 3500Hz
- Trans-hybrid loss: 50dB
- Dielectric strength FCC68.304: 1500V • Power level: -45dBm to +7dBm
- Meets FCC part 68.310: 60dB min., 200-1000Hz; 45dB min., 1000-4000Hz

Part No.	Prod. No.	Impedance (Ω) Primary	Impedance (Ω) Secondary	DC Current (mA) max.	Typical Loss dB Insertion	Typical Loss dB Return	Pricing 1	Pricing 10	Pricing 50
630475	TY-300P	600 (4W)	600/600	0	0.8	30	$4.95	$4.39	$3.49

TRIAD PC Mount Audio Transformer

- Impedance matching: 10% over frequency range
- 6-pin PC mount • Output: 100mW
- Impedance (Ω): 600CT/600CT
- Primary DC Unbalance: 15mA

Part No.	Mfr. Part No.	Dimensions (H x D x L)	1	10	100
630459	TY-145Pℛ	5/8" x 9/32" x 13/16"	$3.79	$3.19	$2.49

Current Sensing Transformer

- Frequency range: 10-50 kHz
- Inductance: 5mH • Turns: 60
- Sensitivity current (I_{in}): 1A • Sensitivity voltage (V_{out}): 1V
- Terminating resistor: 50Ω • Max. current: 300mA

Part No.	Product No.	Dimensions (W x D x H)	1	10	100
164718	MTC30101ℛ	0.7" x 0.46" x 0.8"	$1.95	$1.75	$1.59

★ *Audio Transformers Online — Enter Web Code SAJ*

500 to 2000VA Variable Transformers

121276

- Input: 110VAC or 220VAC
- Power: 500, 1000 or 2000VA
- Output: 0-240VAC
- Banana/screw input terminals
- Universal US/European output plugs
- Lighted on/off power switch

Part No.	Fuse	Size (L" x W" x H")	Wt. (lbs.)
121276	3A/250V (P/N 69439)	5.3 x 7.3 x 7.0	10.4
129008	5A/250V (P/N 10401)	9.4 x 6.5 x 7.7	14.8
152582	10A/250V (P/N 69462)	9.0 x 7.0 x 7.7	19.8

Part No.	Description	1	10	50
121276	500VA trans.ℛ	$109.95	$99.95	$89.95
129008	1000VA trans.ℛ	139.95	124.95	114.95
152582	2000VA trans.ℛ	219.95	199.95	179.95

320VA Variable AC Transformer

- Input voltage: 110VAC @ 50-60Hz
- Matching input/output terminals: P/N 103668 & 109112 (disconnect .25" solderless terminals), pg 90
- Maximum current: 2.5A
- Shaft length: 0.5"
- Size: 2.8"Dia. x 2.1"H • Panel mount
- Weight: 2.5 lbs. • One-year warranty

Includes: 3 disconnect .25" solderless terminals

Part No.	Product No.	1	10	50
149324	PSV-203-Rℛ	$59.95	$53.95	$47.95

★ *Variable Transformers Online — Enter Web Code MAR*

Class 1 Current Transformer

NEW MARKED IN PINK

- Maximum voltage: 660VAC
- Frequency: 50-60Hz
- Ratio: 200A/5A; 5VA
- Size: 2.95"W x 1.70"D x 3.36"H
- Weight: 1.1 lbs. • Power: 5VA

Part No.	Product No.	1	10	100
174887	MSQ30ℛ	$1.95	$1.75	$1.59

550VA Variable AC Transformer

- Input voltage: 110VAC @ 60Hz
- Output voltage: 0-140VAC
- Rated current: 5A • Panel mount
- Input/output terminals: binding post with 0.188" diameter post
- Size: 4.3"Dia. x 4.0"H
- Weight: 6.8 lbs.
- One-year warranty

Part No.	Product No.	1	10	50
152937	PSV-264-Rℛ	$109.95	$99.95	$89.95

300VA Isolation Transformer 120VAC to 120VAC

- Input connector: 5.5' cord with 2-prong plug
- Input voltage: 120VAC @ 60Hz
- Output voltage: 120VAC @ 2.5A (isolated)
- Size: 4.2"H x 3.2"W x 4.6"D • Weight: 7.0 lbs.

Part No.	Product No.	1	10	100
181315	ITR300	$39.95	$35.95	$31.95

EMI Suppression Cores with Case

218174 1952901

Reduce Electromagnetic Interference (EMI) with a snap of these suppression cores around a power cord or data cord. Easy to install and an affordable way to reduce EMI without redesigning your product.
- Impedance at 100MHz between 75-225Ω min.
- Color: Black; P/N 2095402: White

Round

Part No.	InDia.	OutDia.	Length	1	10	100
218174ℛ	.20"	.64"	1.15"	$1.25	$.99	$.75
2095402	.30"	.78"	0.77"	1.25	1.09	.89
217842ℛ	.34"	.78"	1.40"	1.49	1.25	.99
2081810ℛ	.38"	1.0"	0.65"	1.49	1.25	.99
2094979ℛ	.51"	.89"	1.42"	1.95	1.75	1.49

Square

Part No.	InDia.	Width	Height	Length	1	10	100
2094987ℛ	.20	.55	.59	1.40	$1.49	$1.25	$1.09
1952901	.25	.70	.77	1.30	1.95	1.59	1.25
1536958ℛ	.40	.87	.87	1.27	1.95	1.75	1.49

International Step-Up/ Step-Down Autotransformer

- Input voltage: 110/200/220/240V
- Output voltage: 110/220V
- Wattage: 80 watts continuous/ 100 watts intermittent
- On/off switch
- Fuse protected
- Two free spare fuses • CE certification
- European to US adapter on power cable
- Universal European/US output receptacles
- Dimension: 5.2'L x 3.7'W x 3.5'H

Part No.	Mfr. Part No.	1	10	25
2082599	VC-100	$14.95	$13.49	$11.95

Web Enabled Catalog

Enter web codes online for additional product listings & specifications. Look for the web code box on the home page.

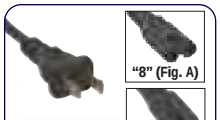
www.Jameco.com/More

★ *For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

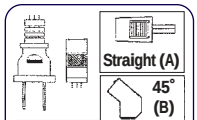
Power Cords

3 LEVELS OF SAVINGS: NAME BRANDS | HOUSE BRANDS | FACTORY OVERRUN

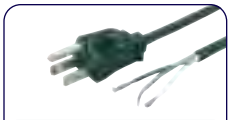
Line Cord w/ Pigtail (Fig. 1) w/ Strain Relief (Fig. 1A)



Laptop Power Cord (Fig. 2)



AC Plug Fan Power Cord (Fig. 3)


Power Cord w/ Pigtail (Fig. 4)

Detachable Power Cord (Fig. 5)

Computer Power Supply Extension Cord (Fig. 6)

Straight or Right Angle w/ Pigtail (Fig. 7)

Right Angle Detachable Power Cord (Fig. 8)

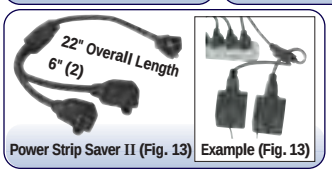
Hospital Grade w/ Pigtail (Fig. 9)

Hospital Grade Power Cord (Fig. 10)

Computer Monitor Power Adapter Cord (Fig. 11)

Detachable Power Strip Saver (Fig. 12)

Example (Fig. 12)

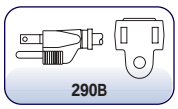


Power Strip Saver II (Fig. 13) Example (Fig. 13)

4' Overall Length "Y" Twin End (Fig. 14)

Mickey Mouse Style Power Cord (Fig. 15)

Plug Detail – Industry Standard Designations


290B

910

386A/386E

150

JAMECO ValuePro

2 & 3-Conductor Fan, Pigtail, Detachable & Hospital Grade Power Cords

- Molded connectors
- Excellent resistance to jacket abrasion
- Voltage rating: 300 volts
- Temperature: -20°C to +60°C

UL CSA

★ Web Code: UBF

AWG	Volts	Amps	VA
18	125	10	1250
16	125	12	1500
14	125	15	1875

2-Conductor Line Cords with Pigtail

Part No.	Product No.	*Mfr.	Wt.	Fig.	Length	Color	AWG/ Cond	Cord Type*	Pricing 1	10	50	100
152187	17106BG℞	JVP	.20	1	6'	Beige	18/2	SPT-2	$2.25	$1.99	$1.85	$1.69
124434	ST008℞	JVP	.16	1	6'	Black	18/2	SPT-2	2.25	1.99	1.85	1.69
42042	SY-001-R℞	JVP	.18	1A	6'	Black	18/2	SPT-2	2.49	2.25	1.95	1.79

2-Conductor "8" Style Power Cords for Laptops and Power Supplies

355944	VW-1G	✦	.30	2A	6'	Gray	18/2	SPT-2	$1.75	$1.59	$1.39	$1.25
189587	VW-1℞	✦	.30	2A	6'	Black	18/2	SPT-2	2.35	2.15	1.95	1.79

2-Conductor "D" Style Power Cord for Laptops and Power Supplies

200791	LL114039	✦	.30	2B	6'	Black	18/2	SPT-2	$1.95	$1.79	$1.59	$1.39

2-Conductor AC Plug Fan Power Cords

1952572	FACS℞	✦	.40	3A	6'	Black	18/2	SPT-2	$2.95	$2.69	$2.39	$2.19
1952581	FAC45℞	✦	.40	3B	6'	Black	18/2	SPT-2	2.95	2.69	2.39	2.19

3-Conductor Power Cords with Pigtail (Unshielded) 290 Plug

38009	17237℞	JVP	.31	4	6'	Gray	18/3	SVT	$3.79	$3.39	$2.95	$2.79
37997	17236℞	JVP	.30	4	6'	Black	18/3	SVT	3.79	3.39	2.95	2.79
173810	17405℞	JVP	.14	4	6'	Gray	18/3	SJT	3.95	3.55	3.19	2.89
159410	17405B℞	JVP	.37	4	6'	Black	18/3	SJT	3.95	3.55	3.19	2.89
1585514	CPB-FL-08†	✦	.56	4	8'	Black	18/3	SVT	4.29	3.85	3.49	3.19
38025	17238℞	JVP	.42	4	8'	Black	18/3	SVT	4.49	3.95	3.55	2.95
339688	17407℞	JVP	.60	4	8'	Black	18/3	SJT	4.79	4.39	3.79	3.39
102007	17535B℞††	JVP	.49	4	10'	Black	18/3	SVT	4.95	4.49	3.95	3.49
196286	LL40378℞	JVP	.80	4	10'	Black	16/3	SJT	6.95	6.25	5.59	4.95
166925	17516℞	JVP	.41	4	6'7"	Black	14/3	SJT	7.95	7.19	6.49	5.79
100272	17629B℞	JVP	.88	4	9'	Black	14/3	SJT	8.95	7.95	7.19	6.49

† *With crimped terminals (3)* †† *European standard insulation color code*

3-Conductor Power Cord with Pigtail (Shielded) 910 Plug

339995	17751℞	✦	.49	7A	6'7"	Black	18/3	SVT	$4.95	$4.49	$3.95	$3.49

3-Conductor Detachable Power Cords (Unshielded) 290B/386A

2081801	17002A	JVP	.36	5	1'	Black	18/3	SVT	$2.95	$2.65	$2.39	$1.95
2082425	17000A	JVP	.35	5	3'	Black	18/3	SVT	3.25	2.95	2.59	2.29
38041	17249℞	JVP	.37	5	6'	Beige	18/3	SVT	3.95	3.59	3.19	2.49
103747	17248	JVP	.34	5	6'	Gray	18/3	SVT	4.25	3.75	3.49	2.95
38050	17250℞	✦	.36	5	6'	Black	18/3	SVT	4.95	4.49	3.95	3.25
132118	17500℞	JVP	.44	5	6'	Black	18/3	SJT	4.95	4.49	3.95	3.25
117584	17502	JVP	.37	5	7'7"	Gray	18/3	SVT	4.95	4.49	3.95	3.49
1585637	171096	✦	.60	5	8'	Black	18/3	SVT	3.95	3.55	3.19	2.79
171096	17758	✦	.60	5	8'	Black	18/3	SJT	4.95	4.49	3.95	3.49
102024	17501V℞	JVP	.55	5	10'	Black	18/3	SVT	5.95	5.69	5.39	4.95
163361	6952299	JVP	.33	5	14'	Black	18/3	SJT	6.95	6.25	5.59	4.95
340291	17001A℞	JVP	.31	5	3'	Black	16/3	SJT	3.95	3.59	3.19	2.79
159361	17602	JVP	.52	5	6'	Black	16/3	SJT	6.95	5.95	5.35	4.79
1537230	LL34877	JVP	.72	5	8'	Black	16/3	SJT	7.95	6.95	6.25	5.59
1943078	E204241-C	✦	.72	5	6'7"	Black	14/3	SJT	6.95	6.25	5.59	4.95
125541	17504℞	JVP	.72	5	6'7"	Black	14/3	SJT	7.95	7.19	6.49	5.79

3-Conductor Detachable Power Cords (Shielded) 290B/386A Plugs

Part No.	Product No.	*Mfr.	Wt.	Fig.	Length	Color	AWG/ Cond	Cord Type*	Pricing 1	10	50	100
213874	17660BG	JVP	.40	5	6'	Beige	18/3	SVT	$4.25	$3.79	$3.49	$2.95
161761	17742	SLA	.40	5	6'	Black	18/3	SVT	4.49	3.95	3.59	2.95
2082433	77450	JVP	.40	5	6'	Gray	18/3	SVT	4.49	3.95	3.59	2.95
1537459	LL6415	✦	.40	5	9'10"	Beige	18/3	SJT	4.95	4.49	3.75	2.75

3-Conductor Computer Power Supply Extension Cords (150/386A Plugs)

206172	PEC-3℞	JVP	.22	6	3'	Black	18/3	SJT	$2.95	$2.65	$2.39	$2.19
319804	LR94903	✦	.82	6	6'	Gray	18/3	SVT	3.49	3.19	2.75	2.25
28468	PEC	JVP	.36	6	6'	Black	18/3	SVT	3.95	3.55	3.19	2.79
420224	10W1-02212	JVP	.53	6	12'	Black	18/3	SVT	5.95	5.39	4.79	4.25

3-Conductor Power Cords with Pigtail (Unshielded) 910 or 386 Plug

340056	17537℞	JVP	.37	7A	9'10"	Black	18/3	SJT	$4.95	$4.49	$3.95	$3.49
340099	17539℞	JVP	.80	7A	9'10"	Black	16/3	SJT	4.95	4.49	3.95	3.49
340072	17521℞	JVP	.80	7B	9'10"	Black	16/3	SJT	4.95	4.49	3.95	3.49

3-Conductor Right Angle Detachable Power Cords (Unshielded) 290B/910 Plugs

117357	8120-6177℞	JVP	.41	8B	6'	Gray	18/3	SVT	$4.09	$3.65	$3.29	$2.89
38077	17250R℞	JVP	.54	8B	6'	Black	18/3	SVT	3.95	3.55	3.19	2.79
2099999	E88265	JVP	.82	8A	8'	Black	18/3	SVT	4.49	3.95	3.49	2.95
177384	17507℞	JVP	.28	8B	10'	Black	18/3	SVT	4.95	4.49	3.95	3.49
222958	17510	✦	.88	8B	6'7"	Black	14/3	SJT	6.95	6.25	5.59	4.95

3-Conductor Right Angle Detachable Power Cord (Shielded) 290B/910 Plugs

173252	17745℞	JVP	.16	8B	6'7"	Black	18/3	SVT	$5.95	$5.39	$4.79	$4.25

3-Conductor Hospital Grade Power Cords (green dot)

† *Clear plug*

132011	17006G℞	JVP	.82	10	10'	Gray	16/3	SJT	$10.95	$9.95	$8.95	$7.95
115078	17006℞	JVP	.84	10	10'	Blk†	16/3	SJT	10.95	9.95	8.95	7.95
1537563	17510HG	✦	.82	9	10'	Gray	14/3	SJT	8.95	7.95	6.95	5.95

3-Conductor Computer Monitor Power Adapter Cord (150/386 Plugs)

177448	MPC1℞	JVP	.16	11	1'	Black	18/3	SVT	$2.95	$2.59	$2.25	$1.95

3-Conductor Detachable Power Cords (Power Strip Saver) 290B/386 Plugs

208339	P55-BR℞	JVP	.16	12	1'	Beige	18/3	SVT	$2.49	$2.25	$1.95	$1.75
199778	PSS-1℞	JVP	.16	12	1'	Black	18/3	SVT	2.95	2.69	2.39	2.15

3-Conductor Power Cord ("Y" Type Power Strip Saver II) 290B/386 (2) Plugs

208347	GPR-2006℞	✦	.38	13	22"	Black	18/3	SVT	$6.95	$6.25	$5.59	$4.95

3-Conductor Power Cord ("Y" Twin End) 150/386 (2) Plugs

340566	17268A℞	JVP	.32	14	4'	Black	18/3	SJT	$7.95	$6.95	$5.95	$4.95

3-Conductor "Mickey Mouse" Style Power Supply Cords

1953559	MMFLAT	MWL	.40	15	6'	Black	18/3	SPT-2	$2.95	$2.49	$1.95	$1.49
1951123	MMPC℞	MWL	.40	15	6'	Black	18/3	SVT	3.95	3.49	2.95	2.49

★ ***Thermoplastic Cord Jacket Type: SPT-2 (Flat):*** *Junior duty;* ***SVT (Round):*** *Light service;* ***SJT (Round):*** *Junior service*

* JVP = Jameco ValuePro | MWL = Mean Well | SLA = Sola | ✦ = Manufacturer Varies

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 190.*

Power Cords, Power Entry & Line Filters & AC Receptacles

JAMECO ValuePro

International Power Cords

★Web Code: XAQ

- 3-conductor detachable power cords
- Excellent resistance to jacket abrasion
- Cord color: black; except 1950702: grey
- BSI: British Standard Institution
- Cord type: H05VVF
- Voltage rating: 300V

Part No.	Mfr. Part No.	Country	Agency Approvals	Cord Length	Plug Fig.	Conductors	Pricing 1	Pricing 10	Pricing 100
117911	PCVDE-6Bℛ	Europe	All	6 ft.	1/A	3/0.75mm	$4.95	$4.49	$3.95
2081916	GTSA3RA	Europe	All	6 ft.	2/A	3/0.75mm	4.95	4.49	3.95
1950702	BSI1363A	UK	ATSA	6 ft.	3/A	3/1.0mm	5.95	4.95	4.49
174633	21071H5182ℛ	UK/Ireland	BSI	8 ft.	3/A	3/1.0mm	6.95	6.25	5.59

Fig. 1 (Straight)

Fig. 2

Fig. 3 (Right Angle, Fused)

Fig. A

European Agency Approvals

Germany	VDE		France	LCIE	
Austria	OVE		Netherlands	KEMA	
Belgium	CEBEC		Norway	NEMKO	
Denmark	DEMKO		Sweden	SEMKO	
Finland	FIMKO		Switzerland	SEV	

EMI Power Entry Filters (IEC Connector), Line Filters & AC Receptacles (IEC 320)

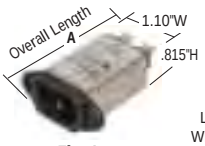


Fig. 1 Faston

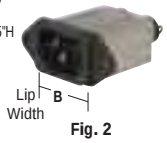


Fig. 2 Solder Terminal

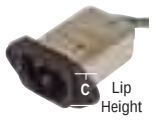


Fig. 3 Wire

Fig. 4 Right Angle

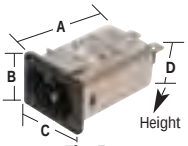


Fig. 5 Snap-In

Fig. 6 Faston

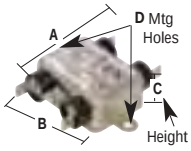


Fig. 7 Line Filter

Fig. 8 6-32 Panel Mount

Fig. 9

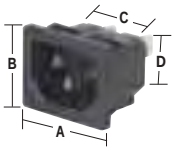


Fig. 10

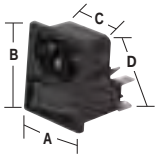


Fig. 11

Fig. 12

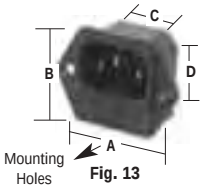


Fig. 13

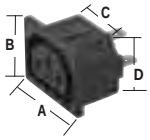


Fig. 14

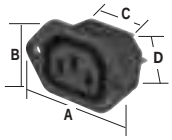


Fig. 15

- Rated voltage: 115/250VAC
- Operating frequency: 50/60Hz
- Hipot rating (one minute) line to ground: 2250VDC; line to line: 1450VDC

★Web Code: ACR

EMI Power Entry Filter: Maximum leakage current each line to ground: @ 115VAC 60Hz: 0.20mA @ 250VAC 50Hz: 0.40mA

EMI Line Filter: Maximum leakage current each line to ground: @ 115VAC 60Hz: 0.25mA; 1.0mA (10000pF) @ 250VAC 50Hz: 0.45mA; 2.0mA (10000pF)

Part No.	Manufacturer	Product No.	Description	Fig.	Current (A)	Hipot (VDC)	Terminals	Terminal Size	Agency Approvals	Dimension (inches) A	B	C	D	Pricing 1	Pricing 10	Pricing 100
1951511	Delta†	01GEEG3E (1ED1)	Power entry filter, straight (screw flanged)	1	1	2250	Faston	0.25"	UL/CSA/VDE	2.20	1.19	0.87	1.58	$3.49	$2.95	$2.49
210913	Delta†	01GEEW3E (1ED8)	Power entry filter, straight (screw flanged)	3	1	2250	4" Wires	Wire	UL/CSA/VDE	1.89	1.19	0.86	1.58	3.95	3.59	3.19
1951529	Delta	01DEEG3V	Power entry filter, rt. angle (screw flanged)	4	1	2250	Faston	0.25"	UL/CSA/VDE	1.64	1.19	0.87	1.58	3.95	3.59	3.19
1172613	Tyco	1EGG1-2	Power entry filter, straight, fused (screw flange)	6	1	2250	Faston	0.25"	UL/CSA/VDE	1.62	1.29	1.44	1.27	4.95	4.99	3.95
1951545	Delta	01DKAG5	Line filter	7	1	2250	Faston	0.25"	UL/CSA/VDE	2.92	1.98	0.87	2.39	3.49	2.95	2.25
395647	Corcom	2VK1	Line filter	7	2	2250	Faston	0.25"	UL/CSA/VDE	3.00	1.74	0.89	2.39	3.95	3.49	2.95
107326	Delta	03DEEG3B (3EF1F)	Power entry filter, straight (screw flanged)	1	3	2250	Faston	0.25"	UL/CSA/VDE	2.20	1.19	0.87	1.58	4.49	3.95	3.49
667438	ValuePro	YB03A1 (3EF1F)	Power entry filter, straight (screw flanged)	1	3	2250	Faston	0.25"	UL/CSA/VDE	2.23	1.19	0.89	1.58	4.95	4.49	3.95
150615	ValuePro	03AC1 +	Power entry filter, straight (screw flanged)	2	3	2250	Solder	0.16"	UL/CSA/VDE	2.05	1.19	0.89	1.58	4.95	4.49	2.85
1951537	Delta†	03GEEW3E-R (3ED8)	Power entry filter, wire (screw flanged)	3	3	2250	4" Wire	Wire	UL/CSA/VDE	1.90	1.19	0.87	1.58	4.95	4.49	3.95
1951553	Delta†	03GENG3E-R	Power entry filter (snap-in flanged)	5	3	2250	Faston	0.25"	UL/CSA/VDE	2.20	0.95	1.22	0.82	4.95	4.49	3.95
1951561	Delta	03DBAG5 (3EB1)	Line filter	7	3	2250	Faston	0.25"	UL/CSA/VDE	2.48	1.73	0.76	2.13	4.49	3.95	3.25
1954720	Delta	04BEEG3S	Power entry filter, straight, fused (screw flanged)	1	4	2250	Faston	0.25"	UL/CSA/VDE	2.26	1.19	1.26	1.40	4.95	4.49	3.95
1951570	Delta†	05DRDG3S (5ER7)	Power entry filter, 6-32 threaded panel mount	8	5	2250	Faston	0.25"	UL/CSA/VDE	3.15	1.97	1.28	1.58	5.95	5.35	4.79
667462	ValuePro	YB06T1	Power entry filter, straight (screw flanged)	1	6	2250	Solder	0.25"	UL/CSA/VDE	2.10	1.19	0.89	1.58	4.95	4.49	3.95
1951633	ValuePro†	YB06AIRℛ	Power entry filter, straight (screw flanged)	1	6	2250	Faston	0.25"	UL/CSA/VDE	2.20	1.19	0.89	1.58	5.95	5.35	4.79
1951588	Delta	06DEEG3V	Power entry filter, right angle (screw flanged)	4	6	2250	Faston	0.25"	UL/CSA/VDE	1.64	1.19	0.87	1.58	5.95	5.35	4.79
1951596	Delta†	10GEEG3C	Power entry filter, straight (screw flanged)	1	10	2250	Faston	0.25"	UL/CSA/VDE	2.20	1.19	0.87	1.58	5.95	5.35	4.79
1951609	Delta	10ME3(S)	Power entry filter, right angle (PC mount)	4	10	2250	Solder	0.16"	UL/CSA/VDE	1.64	1.19	0.87	1.58	6.95	5.95	4.95
1951617	Delta	15DEEG3HA(D)	Power entry filter, straight (screw flanged)	1	15	2250	Faston	0.25"	UL/CSA/VDE	2.42	1.19	0.87	1.58	7.95	6.95	4.95
165016	OKAYA††	SUP-J15G-E2	Power entry filter, straight (screw flanged)	2	15	††	Solder	0.16"	UL/CSA/VDE	2.20	1.21	0.89	1.58	5.95	5.35	4.79
147901	Various	701Rℛ	AC power inlet, male (screw flanged)	9	15	250	Faston	0.187"	UL/CSA/VDE	1.97	0.76	1.06	1.58	.99	.79	.65
16652	ValuePro	JR101ℛ	AC power inlet, male (screw flanged)	9	15	250	Faston	0.25"	UL/CSA/VDE	1.97	0.76	1.06	1.58	1.09	.89	.69
147109	Various	42R02	AC power inlet, male (snap-in)	10	15	250	Faston	0.25"	UL/CSA/VDE	1.23	0.95	1.04	0.77	.99	.79	.65
2095525	ValuePro	IEC-GS-1-100	AC pwr inlet, male w/ sw. & fuse folder (snap-in)	11	15	250	Faston	0.187"	UL/CSA/VDE	1.20	1.97	0.77	1.83	2.49	2.25	1.95
117445	ValuePro#	0717ℛ	AC power inlet, male w/ fuse chamber (snap-in)	12	10	250	Faston	0.187"	UL/CSA/VDE	1.18	1.30	1.05	1.20	1.95	1.79	1.59
265528	ValuePro#	WS-044ℛ	AC power inlet, male w/ fuse chamber (screw)	13	10	250	Faston	0.185"	UL/CSA/VDE	1.40	1.28	1.06	1.21	1.49	1.35	1.19
1954640	Various	K2415	AC power inlet, female (snap-in)	14	15	250	Faston	0.187"	UL/CSA/VDE	1.38	0.98	1.26	1.10	1.49	1.25	.99
1954658	Various	K2414	AC power inlet, female (screw flanged)	15	15	250	Faston	0.187"	UL/CSA/VDE	1.97	1.14	1.26	0.95	1.75	1.49	1.25

† High Performance; Increased filtering; Added bleeded resistor; More safety agencies †† Hipot: 2000VRMS # Includes spare fuse holder – fuse type 5mm x 20mm (250V)

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Open-Frame Linear AC-to-DC Power Supplies

• Load regulation: ±0.5% • Line regulation: ±0.5% • UL/CE/TUV certified

★Web Code: MSP

2077503

Jameco Part No.	Manufacturer	Mfr. Part No.	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)*	Rip & Noise (mV p-p)	Size (L" x W" x H")	Pricing 1	Pricing 10	Pricing 25
2077503	Astec	ACV12N5	+12V @ 5.1A	61.0W	100-240 @ 47-63Hz	3.0	7.0 x 4.87 x 2.75	$24.95	$22.49	$19.95
2077511	Astec	ACV15N4.5	+15V @ 4.5A	67.5W	100-240 @ 47-63Hz	3.0	7.0 x 4.87 x 2.75	24.95	22.49	19.95
2080454	Power One	HBB15-1.5A	+12V to 15V @ 1.7A/1.5A -12V to 15V @ 1.7A/1.5A	192.0W	100 or 240VAC @ 47-63Hz	5.0	7.0 x 4.88 x 2.50	59.95	53.95	47.95

*Jumperable between 100VAC to 240VAC

Open-Frame Medical Switching AC-to-DC Power Supplies

★Web Code: JBK

221188

- Universal AC input/full range
- Soft-start circuit, limiting AC surge current
- Short-circuit, overload and overvoltage protection
- Isolation volt.: 4000VAC
- Load regulation: ±2.0%
- Working temp.: -10˚C to + 60˚C
- Inrush current: 20A @ 120VAC
- 100% full-load burn-in test
- Leakage current: 0.3mA @ 240V
- 2.9 watts/in³ max.
- Line regulation: ±1.0%
- Volt. adjustment: 10%
- Mating connector: P/N 104732, see web

Performance at Value Prices

Jameco Part No.	Manufacturer	Mfr. Part No.	Output Voltage @ Current (min-max)	Output Power	Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing 1	Pricing 10	Pricing 25
221057	Mean Well +	MPS-45-7.5	+7.5V @ 0-5.4A	40.5W	90-264 @ 47-440	100	UL/CUL/TUV/CE	$23.95	$21.95	$19.95
221145	Mean Well +	MPS-65-7.5	+7.5V @ 0-8A	60.0W	90-264 @ 47-440	100	UL/CUL/TUV/CE	24.95	23.49	21.95
221066	Mean Well ℛ	MPS-45-12	+12V @ 0-3.7A	44.4W	90-264 @ 47-440	100	UL/CUL/TUV/CE	24.95	22.95	21.49
221154	Mean Well ℛ	MPS-65-12	+12V @ 0-5.2A	62.4W	90-264 @ 47-440	100	UL/CUL/TUV/CE	26.49	24.49	22.49
221162	Mean Well ℛ	MPS-65-13.5	+13.5V @ 0-4.7A	63.5W	90-264 @ 47-440	100	UL/CUL/TUV/CE	26.49	24.49	22.49
221188	Mean Well +	MPS-65-24	+24V @ 0-2.7A	64.8W	90-264 @ 47-440	100	UL/CUL/TUV/CE	24.95	22.95	21.49
2081721	EOS	LFMVLT80-4000	+5V @ 10A, +12V@2A, -5V@.8A, -12V@.8A	80.0W	90-240 @ 47-63	80	UL/CE	49.95	44.95	39.95

* Primary Output

Power

Open-Frame Ultraminiature Switching AC-to-DC Power Supplies

300530

- 100% full-load burn-in test
- No load consumption
- Ultraminiature size and lightweight
- Short-circuit, overload, overvoltage, overtemperature protection
- Three-year warranty; except P/Ns 300433/300530: Two-year warranty
- Universal AC input/full range
- UL/CUL/TUV/CE

Performance at Value Prices

★Web Code: CCQ

695092

Jameco Part No.	Manufacturer	Mfr. Part No.	Output Voltage @ Current (min-max)	Output Power	Size (L" x W" x H")	Load Regulation	Line Regulation	Ripple & Noise (mV p-p)	Pricing 1	Pricing 10	Pricing 25
694971	Mean Well ℛ	NFM-05-5	+5V @ 0-1A	5.0W	2.3 x 1.8 x 0.8	±1.5%	±1.0%	80	$19.95	$17.95	$15.95
300281	Mean Well	OFM-5001	+5V @ 0-1A	5.0W	2.3 x 1.8 x 0.8	±2.0%	±0.5%	50	19.95	16.49	14.95
300433	Astrodyne	OFM-0101	+5V @ 0-2A	10.0W	2.6 x 1.8 x 0.8	±1.0%	±1.0%	80	17.95	15.95	13.95
695092	Mean Well ℛ	NFM-10-5	+5V @ 0-2A	10.0W	2.6 x 1.8 x 0.9	±1.0%	±1.0%	80	17.95	15.95	14.95
695199	Mean Well ℛ	NFM-20-5	+5V @ 0-4.4A	22.0W	3.0 x 2.0 x 0.8	±1.0%	±1.5%	80	29.95	26.95	23.95
694989	Mean Well ℛ	NFM-05-12	+12V @ 0-0.42A	5.04W	2.3 x 1.8 x 0.8	±0.5%	±0.5%	150	19.95	17.95	15.95
695156	Mean Well ℛ	NFM-15-12	+12V @ 0-1.25A	15.0W	2.8 x 1.9 x 0.9	±0.5%	±0.5%	150	24.95	22.49	19.95
300484	Mean Well	OFM-1502	+12V @ 0-1.25A	15.0W	2.8 x 1.9 x 0.8	±1.0%	±0.3%	150	26.95	24.95	22.95
300417	Mean Well	OFM-5003	+15V @ 0-0.33A	5.0W	2.3 x 1.8 x 0.8	±1.0%	±0.3%	150	18.95	15.95	14.95
300530	Mean Well	OFM-0203	+15V @ 0-1.4A	20.0W	3.5 x 2.0 x 0.8	±1.0%	±0.3%	150	24.95	22.49	21.49

Open-Frame Switching AC-to-DC Power Supplies

• Universal AC input/full range • Two-year warranty
• Short-circuit, overload and overvoltage protection

For complete specifications visit www.Jameco.com

★Web Code: OSP

229042

Jameco Part No.	Manufacturer	Mfr. Part No.	Output Voltage @ Current	Output Power	Input (VAC @ Hz)	Size (L"xW"xH")	Mounting Holes (L"xW"xDia.")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	PFC	Certification	Pricing 1	Pricing 10	Pricing 25
Single Output															
218991	Artesyn	NLP150L-96S3	+3.3V @ 1-22A	72.6W	90-264 @ 47-63	6.8x3.8x1.3	6.5x3.5x0.2	50	2.0	2.0	—	UL/CSA/VDE/CE	$89.95	$79.95	$69.95
694452	Mean Well ℛ	USP-225-3.3	+3.3V @ 0-40A	132.0W	90-264 @ 47-63	8.0x4.0x1.5	see datasheet	100	1.0	0.5	✔	UL/CUL/TUV/CE/CB	84.95	79.95	74.95
694399	Mean Well ℛ	USP-350-3.3	+3.3V @ 0-70A	231.0W	90-264 @ 47-63	9.3x4.0x1.5	see datasheet	80	1.0	0.5	✔	UL/CUL/TUV/CE	139.95	124.95	114.95
2079365	PowerLD ℛ	PSU15S5-HII	+5V @ 0-3A	15.0W	90-264 @ 47-63	3.9x1.8x1.1	3.5x1.6x0.1	<50	2.0	1.0	—	UL/CE	13.95	12.49	11.49
229042	Phihong ℛ	PSA15LN3-050	+5V @ 0-3A	15.0W	90-264 @ 47-63	4.3x1.6x0.9	4.0x1.3x0.2	50	2.0	1.0	—	UL/CUL/TUV/CE	19.95	17.95	15.95
2081836	V. Infinity	VOF-25-5	+5V @ 4.4A	25.0W	85-264 @ 47-63	3.5x2.0x0.9	3.2X1.7X0.2	50	5.0	5.0	—	UL/CUL/TUV/CE/FCC	13.95	12.49	10.95

* Primary Output

Open-Frame Switching Power Supplies continued on pages 133 & 134

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 190.*

Open-Frame Switching AC-to-DC Power Supplies (Continued)

★Web Code: OSP

- Universal AC input/full range
- Short-circuit, overload and overvoltage protection
- Two-year warranty

PFC Model Additional Features:

- Built-in active Power Factor Protection function, power factor >0.93
- Three-year warranty

For complete specifications visit www.Jameco.com

374097

694495

Jameco Part No.	Manufacturer	Mfr. Part No.	Output Voltage @ Current (min-max)	Output Power	Input (VAC @ Hz)	Size (L"xW"xH")	Mounting Holes (L"xW"xDia.")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	PFC	Certification	Pricing 1	Pricing 10	Pricing 25
Single Output (Continued)															
212354	Mean Well ℛ	PS-25-5	+5V @ 0-5A	25.0W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	80	2.0	0.5	—	UL/CUL/TUV/CE	$14.95	$13.95	$12.95
210841	Power-One	MAP42-1005	+5V @ 0-8A	40.0W	120-240 @ 50-60	5.0x3.0x1.3	4.6x2.6x0.2	50	1.0	0.2	—	UL/CSA/TUV/CE	14.95	13.49	11.95
217332	Mean Well ℛ	PS-45-5	+5V @ 0-8A	40.0W	90-264 @ 47-440	5.0x3.0x1.1	4.6x2.6x0.2	100	3.0	1.0	—	UL/CUL/TUV/CE	15.95	14.95	13.95
201938	Mean Well ℛ	PS-65-5	+5V @ 0-12A	60.0W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.2	100	1.0	4.0	—	UL/CUL/TUV/CE	17.95	16.49	15.49
1586331	Phihong ℛ	PSA120-050-R	+5V @ 0-15A	75.0W	40-264 @ 47-63	5.0x3.0x1.2	4.5x2.5x0.2	100	20.0	1.0	—	UL/CUL/TUV/CE	44.95	41.95	38.95
218915	Artesyn	NLP110-9605	+5V @ 0.5-15A	75.0W	90-264 @ 47-63	6.5x3.0x1.3	6.1x2.6x0.2	50	2.0	2.0	—	UL/CUL/CSA/VDE	49.95	44.95	42.95
1954439	Mean Well ℛ	USP-500-5	+5V @ 0-80A	400W	90-264 @ 47-63	10.0x5.0x1.6	see datasheet†	80	2.0	0.5	✔	UL/CUL/TUV/CE	224.95	199.95	184.95
219011	Artesyn	NLP150L-96S5	+5.1V @ 1-22A	112.2W	90-264 @ 47-63	6.8x3.8x1.3	6.5x3.5x0.2	50	2.0	2.0	—	UL/CSA/VDE/CE	59.95	54.95	49.95
392826	Mean Well ℛ	PS-25-7.5	+7.5V @ 0-3.3A	24.8W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	80	2.0	0.5	—	UL/CUL/TUV/CE	14.95	13.95	12.95
229060	Phihong ℛ	PSA15LN3-120	+12V @ 0-1.25A	15.0W	90-264 @ 47-63	4.3x1.6x0.9	4.0x1.3x0.2	120	2.0	1.0	—	UL/CUL/TUV/CE	19.95	17.95	16.49
148604	Mean Well ℛ	PS-25-12	+12V @ 0-2.1A	25.2W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	100	2.0	0.3	—	UL/CUL/TUV/CE	14.49	12.95	11.95
213728	Mean Well ℛ	PS-45-12	+12V @ 0-3.7A	44.4W	90-264 @ 47-440	5.0x3.0x1.1	4.6x2.6x0.2	100	2.0	1.0	—	UL/CUL/TUV/CE	15.95	14.95	13.95
148639	Mean Well ℛ	PS-65-12	+12V @ 0-5.2A	62.4W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.15	100	2.0	1.0	—	UL/CUL/TUV/CE	17.95	16.49	15.49
2099981	ITE	SBU60-105	+12V @ 5.25A	63.0W	90-264 @ 47-63	5.0x3.0x1.1	4.6x2.6x0.15	120	3.0	0.5	—	UL/CUL/CE	17.95	15.95	14.49
173472	Mean Well ℛ	LPS-100-12	+12V @ 0-8.4A	100.8W	88-264 @ 47-63	8.7x2.4x1.3	8.4x2.1x0.14	100	1.5	0.5	✔	UL/CUL/TUV/CE	41.95	38.95	35.95
237024	Lite-On	PA-1101-1	+12V @ 2-8.5A	102.0W	85-264 @ 47-63	6.0x4.0x1.3	—	1200	10.0	1.0	—	UL/CUL/TUV/CE	34.95	31.95	28.95
2079373	PowerLD ℛ	PD-125-12	+12V @ 0-10.5A	126.0W	90-264 @ 47-63	5.0x3.0x1.2	4.6x2.6x0.14	100	2.0	0.5	—	UL/CUL/CE	56.95	53.95	51.95
374089	Mean Well ℛ	PPS-125-12	+12V @ 0-10.5A	126.0W	90-264 @ 47-63	5.0x3.0x1.4	4.6x2.6x0.14	100	1.0	0.5	✔	UL/CUL/TUV/CE	59.95	56.95	53.95
213681	Mean Well ℛ	LPP-150-12	+12V @ 0-12.5A	150.0W	85-264 @ 47-63	8.7x2.4x1.6	8.3x2.6x0.15	100	1.0	0.5	✔	UL/CUL/TUV/CE	49.95	46.95	43.95
668713	Mean Well ℛ	PPS-200-12	+12V @ 0-16.6A	199.2W	90-264 @ 47-63	5.0x3.0x1.4	4.6x2.6x0.14	100	1.0	0.5	✔	UL/CUL/TUV/CE	84.95	79.95	74.95
374380	Mean Well ℛ	PS-65-13.5	+13.5V @ 0-5.4A	63.5W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.15	100	2.0	1.0	—	UL/CUL/TUV/CE	17.95	16.49	15.49
374345	Mean Well ℛ	LPS-100-13.5	+13.5V @ 0-7.5A	101.3W	88-264 @ 47-63	8.7x2.4x1.3	8.4x2.1x0.14	100	1.5	0.5	—	UL/CUL/TUV/CE	41.95	38.95	35.95
392771	Mean Well ℛ	LPP-150-13.5	+13.5V @ 0-11.2A	151.2W	85-264 @ 47-63	8.7x3.0x1.6	8.3x2.6x0.2	100	1.0	0.5	✔	UL/CUL/TUV/CE	44.95	39.95	36.95
216769	Mean Well ℛ	PS-25-15	+15V @ 0-1.7A	25.5W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	100	2.0	0.3	—	UL/CUL/TUV/CE	14.95	13.95	12.95
1919019	Mean Well ℛ	PS-35-15	+15V @ 0-2.4A	36.0W	90-264 @ 47-440	4.0x2.0x0.9	3.8x1.8x0.1	150	0.5	0.5	—	UL/CUL/TUV/CE/CB	15.75	14.75	13.75
374353	Mean Well ℛ	PS-45-15	+15V @ 0-3.5A	45.0W	90-264 @ 47-440	5.0x3.0x1.1	4.6x2.6x0.2	100	3.0	1.0	—	UL/CUL/TUV/CE	15.95	14.95	13.95
216751	Mean Well ℛ	PS-65-15	+15V @ 0-4.2A	63.0W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.2	100	2.0	1.0	—	UL/CUL/TUV/CE	17.95	16.49	15.49
670813	Intl. Power	PM110-13A	+15V @ 0-7.5A	110.0W	85-264 @ 47-63	7.0x4.3x1.9	6.5x3.8x0.2	15	1.0	0.5	—	UL/CSA/TUV	19.95	17.95	15.95
374097	Mean Well ℛ	PPS-125-15	+15V @ 0-8.4A	126.0W	90-264 @ 47-63	5.0x2.4x1.4	4.6x2.6x0.14	100	1.0	0.5	✔	UL/CUL/TUV/CE	59.95	56.95	53.95
668721	Mean Well ℛ	PPS-200-15	+15V @ 0-13.3A	199.5W	90-264 @ 47-63	5.0x3.0x1.4	4.6x2.6x0.14	100	1.0	0.5	✔	UL/CUL/TUV/CE	84.95	79.95	74.95
212346	Mean Well ℛ	PS-25-24	+24V @ 0-1A	24.0W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	240	2.0	0.2	—	UL/CUL/TUV/CE	14.49	12.95	11.95
1919035	Mean Well ℛ	PS-35-24	+24V @ 0-1.5A	36.0W	90-264 @ 47-440	4.0x2.0x0.9	3.8x1.8x0.1	200	0.5	0.5	—	UL/CUL/TUV/CE/CB	15.75	14.75	13.75
213720	Mean Well ℛ	PS-45-24	+24V @ 0-1.9A	45.6W	90-264 @ 47-440	5.0x3.0x1.1	4.6x2.6x0.2	100	2.0	1.0	—	UL/CUL/TUV/CE	15.95	14.95	13.95
148647	Mean Well ℛ	PS-65-24	+24V @ 0-2.7A	64.8W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.2	100	2.0	1.0	—	UL/CUL/TUV/CE	17.95	16.49	15.49
244727	Mean Well ℛ	LPS-75-24	+24V @ 0-3.5A	76.8W	90-264 @ 47-63	8.7x2.2x1.2	8.4x1.8x0.2	120	1.0	1.0	✔	UL/CUL/TUV/CE	24.95	22.95	20.95
173463	Mean Well ℛ	LPS-100-24	+24V @ 0-4.2A	100.8W	88-264 @ 47-63	8.7x2.4x1.3	8.4x2.1x0.1	150	0.5	0.5	✔	UL/CUL/TUV/CE	41.95	38.95	35.95
301429	Mean Well ℛ	PPS-125-24	+24V @ 0-5.2A	124.8W	90-264 @ 47-63	5.0x3.0x1.4	4.6x2.6x0.1	150	1.0	0.5	✔	UL/CUL/TUV/CE	59.95	56.95	53.95
213672	Mean Well ℛ	LPP-150-24	+24V @ 0-6.3A	150.0W	85-264 @ 47-63	8.7x2.4x1.6	8.3x2.6x0.2	150	0.5	0.5	✔	UL/CUL/TUV/CE	49.95	46.95	43.95
668730	Mean Well ℛ	PPS-200-24	+24V @ 0-8.3A	199.2W	90-264 @ 47-63	5.0x3.0x1.4	3.7x7.8x0.14	150	1.0	0.5	✔	UL/CUL/TUV/CE	84.95	79.95	74.95
694495	Mean Well ℛ	USP-225-24	+24V @ 0-9.4A	225.6W	90-264 @ 47-63	8.0x4.0x1.5	see datasheet†	150	1.0	0.5	✔	UL/CUL/TUV/CE/CB	84.95	79.95	74.95
201946	Mean Well ℛ	PS-65-27	+27V @ 0-2.4A	64.8W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.2	100	2.0	1.0	—	UL/CUL/TUV/CE	17.95	16.49	15.49
236882	Mean Well ℛ	LPP-100-27	+27V @ 0-3.8A	102.6W	88-264 @ 47-63	8.7x2.4x1.3	8.4x2.1x0.1	150	0.5	0.5	✔	UL/CUL/TUV/CE	46.95	43.95	40.95
201954	Mean Well ℛ	PS-65-48	+48V @ 0-1.35A	64.8W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.2	100	2.0	1.0	—	UL/CUL/TUV/CE	17.95	16.49	15.49
216710	Mean Well ℛ	LPS-100-48	+48V @ 0-2.1A	100.8W	88-264 @ 47-63	8.7x2.4x1.3	8.4x2.1x0.1	200	0.5	0.5	✔	UL/CUL/TUV/CE	41.95	38.95	35.95
216646	Mean Well ℛ	LPP-150-48	+48V @ 0-3.2A	153.6W	85-264 @ 47-63	8.7x2.4x1.6	8.3x2.6x0.2	250	0.5	0.5	✔	UL/CUL/TUV/CE	49.95	46.95	43.95
694508	Mean Well ℛ	USP-225-48	+48V @ 0-4.7A	225.6W	90-264 @ 47-63	8.0x4.0x1.5	see datasheet†	250	1.0	0.5	✔	UL/CUL/TUV/CE/CB	84.95	79.95	74.95
1954463	Mean Well ℛ	USP-500-48	+48V @ 10.5A	504.0W	90-264 @ 47-63	10.0x5.0x1.6	see datasheet†	150	1.0	0.5	✔	UL/CUL/TUV/CE	224.95	199.95	184.95
Double Output															
171731	Delta	DPS-60MPB	+3.3V @ 0.8-8A; +5V @ 1-9A	65.0W	90-270 @ 47-63	5.8x3.3x1.4	5.1x3.74x0.1	50	2.0	2.0	—	UL/CUL/TUV	$12.95	$11.49	$9.95
212312	Mean Well ℛ	PD-2505	+5V @ 0.1-3A; -5V @ 0.1-2.5A	25.0W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.08x0.1	50	4.0	1.0	—	UL/CUL/TUV/CE	24.95	21.95	19.95
212338	Mean Well ℛ	PD-25A	+5V @ 0.2-2.5A; +12V @ 0.1-1.5A	25.0W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.08x0.1	50	1.0	0.5	—	UL/CUL/TUV/CE	24.95	21.95	19.95
212330	Mean Well ℛ	PD-25B	+5V @0.2-2A; +24V @ 0.1-1A	25.2W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	50	1.0	0.5	—	UL/CUL/TUV/CE	24.95	21.95	19.95
194862	Mean Well ℛ	PD-45A	+5V @ 0.4-3.2A; +12V @ 0.2-2	40.0W	90-264 @ 47-440	5.0x3.0x1.1	4.6x2.6x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	27.95	24.95	21.95
194871	Mean Well ℛ	PD-45B	+5V @ 0.4-3.2A; +24V @ 0.2-1.2A	44.8W	90-264 @ 47-440	5.0x3.0x1.1	4.6x2.6x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	27.95	24.95	21.95
194889	Mean Well ℛ	PD-65A	+5V @ 0.4-7A; +12V @ 0.2-3.2A	61.1W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	29.95	26.95	23.95

* Primary Output † Multiple sets of mounting holes, see datasheet for dimensions

More Open-Frame Switching Power Supplies on pages 132 & 134

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Open-Frame Switching AC-to-DC Power Supplies (Continued)

★Web Code: OSP

PT-65

- Universal AC input/full range
- Short-circuit, overload and overvoltage protection
- Two-year warranty

For complete specifications visit www.Jameco.com

Jameco Part No.	Manufacturer	Mfr. Part No.	Output Voltage @ Current (min-max)	Output Power	Input (VAC @ Hz)	Size (L"xW"xH")	Mounting Holes (L"xW"xDia.")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	PFC	Certification	Pricing 1	Pricing 10	Pricing 25
Double Output (Continued)															
692377	Autec	UPS65-1002	+5V @ 0.5-3.5A; +12V @ 0.1-4A	65.0W	90-260 @ 47-63	6.0x3.5x1.5	4.8x3.2x0.2	50	2.0	0.5	—	UL/CSA/TUV	$19.95	$17.95	$15.95
194897	Mean Well℞	PD-65B	+5V @ 0.4-3.5A; +24V @ 0.2-2A	65.5W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	29.95	26.95	23.95
375056	Mean Well	PD-110B	+5V @ 0.5-5A; +24V @ 0.5-3.5A	109.0W	100-264 @ 47-63	7.0X4.3X1.8	6.5X3.8X0.1	100	1.0	1.0	—	UL/CUL/TUV/CE	49.95	44.95	39.95
148690	Mean Well℞	PD-2512	+12V @ 0.1-1.2A; -12V @ 0.1-1A	24.0W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	50	3.0	0.5	—	UL/CUL/TUV/CE	24.95	21.95	19.95
Triple Output															
230536	Phihong℞	PSA25L-301	+5V @ 0.2-2A; +12V @ 0.1-1A; -12V @ 0-0.3A	25.0W	90-264 @ 47-63	4.3x1.6x0.9	3.7x2.1x0.1	50	2.0	1.0	—	UL/CUL/TUV/CE	$24.95	$22.95	$20.95
2081617	Artesyn	NFN40-7607	+5V @ 3A; +12V @ 2A; -5V @ 0.35A	40.0W	85-264 @ 47-440	5.0x3.0x1.2	4.6x2.6x0.15	50	2.0	1.0	—	UL/CSA/TUV	24.95	22.49	19.95
229122	Phihong℞	PSA4531	+5V @ 0-4A; +12V @ 0-1.5A; -12V @ 0-0.5A	44.0W	90-264 @ 47-63	5.0x3.0x1.2	4.6x2.6x0.2	50	2.0	1.0	—	UL/CSA/TUV/CE	34.95	31.95	28.95
88402	Mean Well℞	PT-45B	+5V @ 0.4-3A; +12V @ 0.2-2A; -12V @ 0-0.3A	45.0W	90-264 @ 47-440	5.0x3.0x1.1	4.6x2.6x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	28.95	25.95	22.95
229140	Phihong℞	PSA4534	+5V @ 0-4A; +15V @ 0-1.2A -15V @ 0-0.5A	45.5W	90-264 @ 47-63	5.0x3.0x1.2	4.6x2.6x0.16	50	2.0	2.0	—	UL/CSA/TUV/CE	34.95	31.95	28.95
216734	Mean Well℞	PT-65B	+5V@0.4-5.5A; +12V@0.2-2.5A -12V@0-0.5A	63.5W	90-264 @ 47-440	5.0x3.0x1.7	4.6x2.6x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	32.95	29.95	26.95
215707	Mean Well℞	PT-65D	+5V @ 0.5-4A; +12V @ 0.2-2A; +24V @ 0.2-1A	65.0W	90-264 @ 47-440	5.0x3.0x1.7	4.6x2.6x0.2	50	2.0	1.0	—	UL/CUL/TUV/CE	32.95	29.95	26.95
216726	Mean Well℞	PT-65C	+5V @ 0.4-5.5A; +15V @ 0.2-2A; -15V @ 0-0.5A	65.0W	90-264 @ 47-440	5.0x3.0x1.7	4.6x2.6x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	32.95	29.95	26.95
301487	Mean Well	PPT-125B	+5V @ 1-14.4A; +12V @ 0.3-3.8A; -12V @ 0.05-0.63A	99.5W	90-264 @ 47-63	5.0x3.0x1.4	4.6x2.6x0.1	100	3.0	0.5	✔	UL/CUL/TUV/CE	69.95	64.95	59.95
301495	Mean Well	PPT-125C	+5V @ 1-13.8A; +15V @ 0.25-3.1A; -15V @ 0.05-0.63A	125.1W	90-264 @ 47-63	5.0x3.0x1.4	4.6x2.6x0.2	100	3.0	0.5	✔	UL/CUL/TUV/CE	44.95	39.95	36.95
Quad Output															
673934	Martek Power	PVI-50-46BUB	+5V @ 6.5A; +3.3V @ 2.5A; +12V @ 0.8A; -12V @ 0.5A	57.0W	100-240 @ 50-60	8.1x3.2x1.5	7.6x2.6x0.15	50	2.0	2.0	—	UL/CUL/CSA/TUV/CE	$39.95	$35.95	$31.95
2081721	EOS**	LFMVLT80-4000	+5V @ 10A; +12V @ 2A; -5V @ 0.8A; -12V @ 0.8A	80.0W	90-240 @ 47-63	3.0x5.0x1.0	4.55x2.55	80	1.0	1.0	—	UL/CE	49.95	44.95	39.95
217277	Mean Well	PPQ-100B	+5V @ 2-10A; +12V @ 0.3-3.4A; -5V @ 0-0.6A; -12V @ 0-0.6A	101.0W	90-264 @ 47-63	7.0x4.3x1.6	6.5x3.8X0.2	100	2.0	1.0	✔	UL/CUL/TUV/CE	29.95	26.95	23.95
645298	Mean Well	PQ-100DTR	+5V @ 5A; +12V @ 2A; -12V @ 2A; +24V @ 2A	103.0W	100-264 @ 47-63	7.0x4.3x1.8	6.5x3.8x0.2	80	1.0	1.0	—	—	59.95	49.95	44.95

* Primary Output ** Medical rated

Enclosed Switching AC-to-DC Power Supplies

★Web Code: EPS

- 100% full-load burn-in test

For complete specifications visit www.Jameco.com

†**Additional Info:**

1 G3 Series: Miniature size, high reliability, suitable for critical applications • 88-264VAC @47-63Hz • 5G vibration
• 70˚C operation • Withstand 300VAC surge input for 5 sec. • Short-circuit/overload/overvoltage protection • Three-year warranty

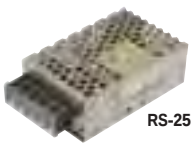
2 G2 Series: Without CE certification for models more than 200W (except for S-240) • 85-264VAC @47-63Hz
• Universal AC input (25-60W), Switch selectable AC input (100-150W), AC input range auto-sensing (240W) • Two-year warranty

3 PFC Series: Built-in active Power Factor Correction function • Power factor >0.93 • 88-264VAC @47-63Hz
• Universal AC input • Three-year warranty

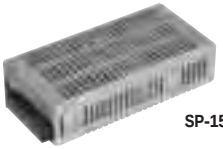
4 Parallel Series: Built-in remote sense, remote On/Off control & Parallel functions • 115V and 220V versions @ 47-63Hz
• Short-circuit/overvoltage/overload/overtemperature protection

5 Parallel Series with PFC: Same as parallel series with Power Factor Correction

6 G5 Series: Built-in active PFC function • 1U low profile 38mm • 85-264VAC @ 47-63Hz
• High efficiency up to 89% • Withstand 300VAC surge input for 5 sec. • Five-year warranty



RS-25



SP-150

Jameco Part No.	Manufacturer	Mfr. Part No.	Output Voltage @ Current (min-max)	Output Power	Size (L"xW"xH")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Additional Info (above)†	Certification	Pricing 1	Pricing 10	Pricing 25
Single Output													
693193	Mean Well℞	RS-25-3.3	+3.3V @ 0-6A	19.8W	3.0x2.0x1.1	80	2.0	0.5	1	UL/CUL/TUV/CE/CB	$19.95	$18.49	$17.49
693257	Mean Well℞	RS-75-3.3	+3.3V @ 0-15A	49.5W	5.1x3.9x1.5	80	2.0	0.5	1	UL/CUL/TUV/CE/CB	29.95	27.95	25.95
693329	Mean Well℞	RS-150-3.3	+3.3V @ 0-30A	99.0W	7.8x3.9x1.5	80	2.0	0.5	1	UL/CUL/TUV/CE/CB	44.95	41.95	38.95
201903	Mean Well℞	SP-150-3.3-R	+3.3V @ 0-30A	99.0W	7.0x3.9x2.0	100	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	56.95	52.95	49.95
693636	Mean Well℞	SP-480-3.3	+3.3V @ 0-85A	280.5W	10.9x5.0x1.7	80	1.0	0.5	3	UL/CUL/TUV/CE/CB	154.95	144.95	134.95
692422	Volgen	SX15U-05S	+5V @ 0-3A	15.0W	3.3x2.7x1.3	100	0.8	0.8	—	UL/CSA	14.95	13.49	11.95
689848	Metapo	1M150C05-1M	+5V @ 0-3A	15.0W	3.9x3.8x1.4	100	0.5	1.0	—	UL/CUL/TUV/CE	15.95	14.49	12.95

* Primary Output

More Enclosed Switching Power Supplies continued on pages 135-138

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 190.*

Enclosed Switching AC-to-DC Power Supplies (Continued)

SCN-600

★Web Code: EPS

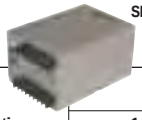
Jameco Part No.	Manufacturer	Mfr. Part No.	Output Voltage @ Current (min-max)	Output Power	Size (L"xW"xH")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Additional Info Pg. 134†	Certification	Pricing 1	Pricing 10	Pricing 25
Single Output (Continued)													
1919043	Mean Well	RS-15-5	+5V @ 0-3A	15.0W	2.5x2.0x1.1	80	1.5	0.5	1	UL/CUL/TUV/CE/CB	$17.95	$16.49	$15.49
323282	Mean Well	RS-25-5	+5V @ 0-5A	25.0W	3.1x2.0x1.1	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	19.95	18.49	17.49
123247	Mean Well	S-25-5	+5V @ 0-5A	25.0W	3.9x3.8x1.4	50	1.0	0.5	2	UL/TUV/CE	18.49	17.49	16.49
323329	Mean Well	RS-35-5	+5V @ 0-7A	35.0W	3.9x3.2x1.4	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	22.95	21.49	19.95
689805	Metapo	1M041C05-1M	+5V @ 0-8A	40.0W	4.8x3.8x1.5	75	—	—	—	UL/CUL/TUV/CE	19.95	17.95	16.49
123290	Mean Well	S-40-5	+5V @ 0-8A	40.0W	5.1x3.9x1.5	75	1.0	0.5	2	UL/CUL/TUV/CE/CB	21.49	19.95	18.95
689784	Metapo	1M051C05-0M	+5V @ 0-10A	50.0W	6.0x3.7x1.5	100	—	—	—	UL/CUL	21.95	19.95	17.95
323388	Mean Well	RS-50-5	+5V @ 0-10A	50.0W	3.9x3.8x1.4	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	24.95	22.49	20.95
2079390	PowerLD	PD-60-5	+5V @ 0-10A	50.0W	5.1x3.9x1.5	50	2.0	0.5	—	UL/CUL/CE	34.95	32.49	29.95
689768	Potrans	FS-06005-0M	+5V @ 0-12A	60.0W	5.1x3.9x1.5	120	—	—	—	UL/CUL/CE	21.95	19.95	17.95
123327	Mean Well	S-60-5	+5V @ 0-12A	60.0W	6.3x3.8x1.5	120	1.0	0.5	2	UL/CUL/TUV/CE/CB	23.49	21.95	20.95
323581	Mean Well	RS-75-5	+5V @ 0-12A	60.0W	5.1x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	29.95	27.95	25.95
194830	Mean Well	SP-75-5	+5V @ 0-15A	75.0W	7.0x3.9x1.3	80	1.0	0.5	3	UL/CUL/TUV/CE/CB	44.95	42.49	39.95
323708	Mean Well	RS-100-5	+5V @ 0-16A	80.0W	6.3x3.8x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	41.95	38.95	36.95
194791	Mean Well	SP-100-5	+5V @ 0-20A	100.0W	7.0x3.9x1.8	100	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	49.95	46.95	43.95
323821	Mean Well	RS-150-5	+5V @ 0-26A	130.0W	7.8x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	44.95	41.95	38.95
123394	Mean Well	S-150-5	+5V @ 0-30A	150.0W	7.0x4.3x2.0	150	0.5	0.5	2	UL/CUL/TUV/CE/CB	34.95	32.95	31.49
201912	Mean Well	SP-150-5	+5V @ 0-30A	150.0W	7.0x3.9x2.0	100	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	56.95	52.95	49.95
202042	Mean Well	SP-200-5	+5V @ 0-40A	200.0W	7.0x3.9x2.0	100	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	62.95	58.95	54.95
216776	Mean Well	S-320-5	+5V @ 0-50A	250.0W	8.5x4.5x2.0	150	1.0	0.5	2	UL/CUL	69.95	64.95	59.95
2079437	PowerLD	GPF-U300S5	+5V @ 0-50A	250.0W	8.9x4.5x2.0	150	2.0	1.0	—	UL/CUL/CE	79.95	69.95	64.95
244735	Mean Well	SP-320-5	+5V @ 0-55A at 230VAC; 0-44A at 115VAC	275.0W	8.5x4.5x2.0	150	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	84.95	79.95	74.95
2076295	Mean Well	PSP-600-5	+5V @ 0-80A	400.0W	6.7x4.7x3.7	180	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	149.95	139.95	129.95
693644	Mean Well	SP-480-5	+5V @ 0-85A	425.0W	10.9x5.0x1.7	80	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	154.95	144.95	134.95
374002	Mean Well	SE-600-05	+5V @ 0-100A	500.0W	9.7x5.0x2.5	150	2.0	0.5	2	UL/CUL	114.95	106.95	99.95
220249	Mean Well	SCN-600-05	+5V @ 0-100A	500.0W	11.5x5.2x2.7	100	2.0	0.5	4	UL/CUL/CB	224.95	209.95	199.95
693661	Mean Well	SP-750-5	+5V @ 0-120A	600.0W	10.9x5.0x2.5	120	2.0	0.5	3	UL/CUL/TUV/CE/CB	229.95	214.95	199.95
217373	Mean Well	PSP-1000-5	+5V @ 0-145A at 230VAC; 0-123.3A at 115VAC	725.0W	10.9x5.1x5.0	100	2.0	0.5	5	UL/CUL/TUV/CE/CB	224.95	214.95	204.95
231669	Mean Well	PSP-1500-5	+5V @ 0-217.5A	1087.5W	10.9x5.1x7.5	100	2.0	0.5	5	UL/CUL/TUV/CE/CB	369.95	349.95	329.95
123415	Mean Well	S-150-7.5	+7.5V @ 0-20A	150.0W	7.0x4.3x2.0	150	0.5	0.5	2	UL/CUL/TUV/CE/CB	34.95	32.95	31.49
693556	Mean Well	S-240-7.5	+7.5V @ 0-30A	225.0W	7.5x3.7x2.6	200	1.0	0.5	2	UL/CUL/TUV/CE/CB/PFC	74.95	69.95	66.95
207212	Mean Well	S-320-7.5	+7.5V @ 0-36A	270.0W	8.5x4.5x2.0	150	0.5	0.5	2	UL/CUL	69.95	64.95	59.95
394215	Mean Well	SP-320-7.5	+7.5V @ 0-40A	300.0W	8.5x4.5x2.0	150	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	84.95	79.95	74.95
1919051	Mean Well	RS-15-12	+12V @ 0-1.3A	15.6W	2.5x2.0x1.1	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	17.95	16.49	15.49
323300	Mean Well	RS-25-12	+12V @ 0-2.1A	25.2W	3.0x2.0x1.1	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	19.95	18.49	17.49
123255	Mean Well	S-25-12	+12V @ 0-2.1A	25.2W	3.9x3.8x1.4	100	0.5	0.5	2	UL/TUV/CE	18.49	17.49	16.49
323337	Mean Well	RS-35-12	+12V @ 0-3A	36.0W	3.9x3.2x1.4	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	22.95	21.49	19.95
689830	Metapo	1M041C12-1M	+12V @ 0-3.5A	42.0W	3.9x3.8x1.4	100	—	—	—	UL/CUL/TUV/CE	19.95	17.95	16.49
123298	Mean Well	S-40-12	+12V @ 0-3.5A	42.0W	5.1x3.9x1.5	100	0.5	0.5	2	UL/CUL/TUV/CE/CB	21.49	19.95	18.95
689821	Metapo	1M051C12-1M	+12V @ 0-4.2A	50.0W	6.0x3.7x1.5	100	—	—	—	UL/CUL/TUV/CE	22.95	20.95	18.95
323396	Mean Well	RS-50-12	+12V @ 0-4.2A	50.4W	3.9x3.8x1.4	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	24.95	22.49	20.95
689813	Potrans	1M061C05-1M	+12V @ 0-5A	60.0W	3.9x3.8x1.4	120	—	—	—	UL/TUV/CE	21.95	19.95	18.49
123335	Mean Well	S-60-12	+12V @ 0-5A	60.0W	6.3x3.8x1.5	120	0.5	0.5	2	UL/CUL/TUV/CE/CB	23.49	21.95	20.95
323599	Mean Well	RS-75-12	+12V @ 0-6A	72.0W	5.1x3.9x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	29.95	27.95	25.95
194838	Mean Well	SP-75-12	+12V @ 0-6.3A	75.6W	7.0x3.9x1.3	80	0.5	0.5	3	UL/CUL/TUV/CE/CB	44.95	42.49	39.95
123386	Mean Well	S-100F-12	+12V @ 0-8.5A	102.0W	7.8x3.9x1.5	125	0.5	0.5	2	UL/TUV/CE/CB	28.95	26.95	24.95
323716	Mean Well	RS-100-12	+12V @ 0-8.5A	102.0W	6.3x3.8x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	41.95	38.95	36.95
194803	Mean Well	SP-100-12	+12V @ 0-8.5A	102.0W	7.0x3.9x1.8	100	0.5	0.5	1	UL/CUL/TUV/CE/CB/PFC	49.95	46.95	43.95
123423	Mean Well	S-150-12	+12V @ 0-12.5A	150.0W	7.0x4.3x2.0	180	0.3	0.3	2	UL/CUL/TUV/CE/CB	39.95	34.95	32.49
323839	Mean Well	RS-150-12	+12V @ 0-12.5A	150.0W	7.8x3.9x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	44.95	41.95	38.95
173421	Mean Well	SP-150-12	+12V @ 0-12.5A	150.0W	7.0x3.9x2.0	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	56.95	52.95	49.95
2094848	Mean Well	HRPG-150-12	+12V @ 0-13A	156.0W	6.3X3.8X1.5	120	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	84.95	79.95	74.95
194774	Mean Well	SP-200-12	+12V @ 0-16.7A	200.4W	7.0x3.9x2.0	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	62.95	58.95	54.95
137649	Mean Well	S-240-12	+12V @ 0-18A	216.0W	7.5x3.7x2.6	150	0.5	0.5	2	UL/CUL/TUV/CE/CB/PFC	74.95	69.95	66.95
207204	Mean Well	S-320-12	+12V @ 0-25A	300.0W	8.5x4.5x2.0	150	0.5	0.5	2	UL/CUL	69.95	64.95	59.95
244743	Mean Well	SP-320-12	+12V @ 0-25A at 230VAC; 0-20A @ 115VAC	300.0W	8.5x4.5x2.0	150	0.5	0.3	3	UL/CUL/TUV/CE/CB/PFC	84.95	79.95	74.95
2094872	Mean Well	HRP-300-12	+12V @ 0-27A	324.0W	7.8X4.1X1.6	120	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	119.95	114.95	109.95
2094928	Mean Well	SE450-12	+12V @ 0-37.5A	450.0W	8.9X4.9X2.0	200	1.0	0.5	2	UL/CUL/TUV/CE/CB/PFC	99.95	94.95	89.95
301373	Mean Well	SP-480-12	+12V @ 0-40A at 230VAC; 0-36A @ 115VAC	480.0W	10.9x5.0x1.7	120	0.5	0.3	3	UL/CUL/TUV/CE/CB/PFC	154.95	144.95	134.95
190693	Mean Well	SP-500-12	+12V @ 0-40.0A at 230VAC; 0-34A @ 115VAC	480.0W	6.7x4.7x3.7	240	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	149.95	139.95	129.95

* Primary Output

More Enclosed Switching Power Supplies on pages 134 & 136-138

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Enclosed Switching AC-to-DC Power Supplies (Continued)



SP-500

★ Web Code: EPS

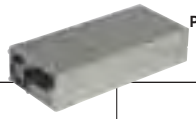
Jameco Part No.	Manufacturer	Mfr. Part No.	Output Voltage @ Current(min-max)	Output Power	Size (L"xW"xH")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Additional Info Pg. 134†	Certification	Pricing 1	Pricing 10	Pricing 25
Single Output (Continued)													
374011	Mean Well	SE-600-12	+12V @ 0-50A	600.0W	9.7x5.0x2.5	150	0.5	0.5	2	UL/CUL	$114.95	$106.95	$99.95
374214	Mean Well ♻	PSP-600-12	+12V @ 0-50A	600.0W	6.7x4.7x3.7	240	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	149.95	139.95	129.95
220257	Mean Well	SCN-600-12	+12V @ 0-50A	600.0W	11.5x5.2x2.7	120	1.0	0.5	4	UL/CUL/CB	224.95	209.95	194.95
388631	Mean Well	SCP-600-12	+12V @ 0-50A	600.0W	11.4x4.7x2.7	120	0.5	0.5	5	UL/CUL/TUV/CE/CB	219.95	199.95	189.95
2094961	Mean Well ♻	HRPG-600-12	+12V @ 0-53A	636.0W	8.6X4.1X2.5	120	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	189.95	174.95	164.95
319944	Mean Well ♻	SP-750-12	+12V @ 0-62A	750.0W	10.9x5.0x2.5	120	0.5	0.3	3	UL/CUL/TUV/CE/CB	229.95	214.95	199.95
217366	Mean Well ♻	PSP-1000-12	+12V @ 0-75A at 230VAC; 0-63.8A @ 115VAC	900.0W	10.9x5.1x5.0	150	0.5	0.3	5	UL/CUL/TUV/CE/CB/PFC	399.95	369.95	349.95
373261	Mean Well	PSP-1500-12	+12V @ 0-112.5A	1350.0W	10.9x5.1x7.5	150	0.5	0.3	5	UL/CUL/TUV/CE/CB/PFC	529.95	489.95	449.95
202025	Mean Well ♻	S-150-13.5	+13.5V @ 0-11.2A	151.2W	7.0x4.3x2.0	180	0.3	0.3	2	UL/CUL/TUV/CE/CB	34.95	32.95	31.49
394193	Mean Well	SP-150-13.5	+13.5V @ 0-11.2A	151.2W	7.0x3.9x2.0	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	56.95	52.95	49.95
212410	Mean Well ♻	SP-200-13.5	+13.5V @ 0-14.9A	201.1W	7.0x3.9x2.0	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	62.95	58.95	54.95
693572	Mean Well ♻	S-320-13.5	+13.5V @ 0-22A	297.0W	8.5x4.5x2.0	150	0.5	0.5	2	UL/CUL	69.95	64.95	59.95
693599	Mean Well ♻	SP-320-13.5	+13.5V @ 0-22A	297.0W	8.5x4.5x2.0	150	0.5	0.3	3	UL/CUL/TUV/CE/CB/PFC	84.95	79.95	74.95
212389	Mean Well ♻	SP-500-13.5	+13.5V @ 0-36A at 230VAC; 0-30.6A @ 115VAC	486.0W	6.7x4.7x3.7	240	0.5	0.5	3	UL/CUL/TUV/CE/CB	149.95	139.95	129.95
1919060	Mean Well ♻	RS-15-15	+15V @ 0-1A	15.0W	2.5x2.0x1.1	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	17.95	16.49	15.49
123262	Mean Well +	S-25-15	+15V @ 0-1.7A	25.5W	3.9x3.8x1.4	100	0.5	0.5	2	UL/TUV/CE	18.49	17.49	16.49
323302	Mean Well ♻	RS-25-15	+15V @ 0-1.7A	25.5W	3.0x2.0x1.1	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	19.95	18.49	17.49
323345	Mean Well ♻	RS-35-15	+15V @ 0-2.4A	36.0W	3.9x3.2x1.4	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	22.95	21.49	19.95
155053	Skynet	SNP-9548-M1	+15V @ 2.6A	39.0W	5.0x3.0x1.2	100	1.0	1.0	—	UL/CUL/CSA	24.95	22.49	19.95
202140	Mean Well ♻	S-40-15	+15V @ 0-2.8A	42.0W	5.1x3.9x1.5	100	0.5	0.5	2	UL/CUL/TUV/CE/CB	21.49	19.95	18.95
323409	Mean Well ♻	RS-50-15	+15V @ 0-3.4A	51.0W	3.9x3.8x1.4	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	24.95	22.49	20.95
123343	Mean Well ♻	S-60-15	+15V @ 0-4A	60.0W	6.3x3.8x1.5	150	0.5	0.5	2	UL/CUL/TUV/CE/CB	23.49	21.95	20.95
323602	Mean Well ♻	RS-75-15	+15V @ 0-5A	75.0W	5.1x3.9x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	29.95	27.95	25.95
194845	Mean Well +	SP-75-15	+15V @ 0-5A	75.0W	7.0x3.9x1.3	80	0.5	0.5	3	UL/CUL/TUV/CE/CB	42.95	39.95	37.95
212433	Mean Well	SP-100-15	+15V @ 0-6.7A	100.5W	7.0x3.9x1.8	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	49.95	46.95	43.95
1952433	Mean Well ♻	NES-100-15	+15V @ 0-7A	105.0W	6.3x3.9x1.5	120	0.5	0.5	2	CUL/CB/CE	24.95	22.49	19.95
323724	Mean Well ♻	RS-100-15	+15V @ 0-7A	105.0W	6.3x3.8x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	41.95	38.95	36.95
123432	Mean Well ♻	S-150-15	+15V @ 0-10A	150.0W	7.0x4.3x2.0	180	0.3	0.3	2	UL/CUL/TUV/CE/CB	39.95	34.95	32.49
323847	Mean Well ♻	RS-150-15	+15V @ 0-10A	150.0W	7.8x3.9x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	44.95	41.95	38.95
173412	Mean Well ♻	SP-150-15	+15V @ 0-10A	150.0W	7.0x3.9x2.0	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	56.95	52.95	49.95
2094856	Mean Well ♻	HRPG-150-15	+15V @ 0-10A	150.0W	6.3X3.8X1.5	150	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	84.95	79.95	74.95
202060	Mean Well ♻	SP-200-15	+15V @ 0-13.4A	201.0W	7.0x3.9x2.0	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	62.95	58.95	54.95
202076	Mean Well ♻	S-240-15	+15V @ 0-15A	225.0W	7.5x3.7x2.6	150	0.5	0.5	2	UL/CUL/TUV/CE/CB/PFC	74.95	69.95	66.95
374993	Mean Well	S-320-15	+15V @ 0-20A	300.0W	8.5x4.5x2.0	150	0.5	0.5	2	UL/CUL	69.95	64.95	59.95
693610	Mean Well ♻	SP-320-15	+15V @ 0-20A	300.0W	8.5x4.5x2.0	150	0.5	0.3	3	UL/CUL/TUV/CE/CB/PFC	84.95	79.95	74.95
693652	Mean Well ♻	SP-480-15	+15V @ 0-35A	480.0W	10.9x5.0x1.7	150	0.5	0.3	3	UL/CUL/TUV/CE/CB/PFC	154.95	144.95	134.95
291522	Mean Well	SE-600-15	+15V @ 0-40A	600.0W	9.7x5.0x2.5	150	0.5	0.5	2	UL/CUL	114.95	106.95	99.95
374222	Mean Well ♻	PSP-600-15	+15V @ 0-40A	600.0W	6.7x4.7x3.7	240	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	144.95	134.95	124.95
374045	Mean Well	SCN-600-15	+15V @ 0-40A	600.0W	11.5x5.2x2.7	150	0.5	0.5	4	UL/CUL/CB	224.95	209.95	194.95
2094901	Mean Well ♻	HRPG-600-15	+15V @ 0-43A	645.0W	8.6X4.1X2.5	150	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	189.95	174.95	164.95
374029	Mean Well	SP-750-15	+15V @ 0-50A	750.0W	10.9x5.0x2.5	120	0.5	0.3	3	UL/CUL/TUV/CE/CB	199.95	184.95	169.95
231634	Mean Well	PSP-1000-15	+15V @ 0-60A at 230VAC; 0-51A @ 115VAC	900.0W	10.9x5.1x5.0	150	0.5	0.3	5	UL/CUL/TUV/CE/CB	269.95	249.95	239.95
231693	Mean Well	PSP-1500-15	+15V @ 0-90A	1350.0W	10.9x5.1x7.5	150	0.5	0.3	5	UL/CUL/TUV/CE/CB	529.95	489.95	449.95
694920	Mean Well ♻	RSP-1500-15	+15V @ 0-10A	1500.0W	10.9x5.0x3.3	150	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	424.95	389.95	359.95
1919078	Mean Well ♻	RS-15-24	+24V @ 0-0.625A	15.0W	2.5x2.0x1.1	200	0.5	0.5	1	UL/CUL/TUV/CE/CB	17.95	16.49	15.49
123272	Mean Well ♻	S-25-24	+24V @ 0-1.1A	26.4W	3.9x3.8x1.4	100	0.5	0.5	2	UL/TUV/CE	18.49	17.49	16.49
323311	Mean Well ♻	RS-25-24	+24V @ 0-1.1A	26.4W	3.0x2.0x1.1	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	19.95	18.49	17.49
323353	Mean Well ♻	RS-35-24	+24V @ 0-1.5A	36.0W	3.9x3.2x1.4	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	22.95	21.49	19.95
689792	Metapo	1M041C24-1M	+24V @ 0-1.8A	43.0W	4.8x3.8x1.5	100	—	—	—	UL/CUL/TUV/CE	19.95	17.95	15.95
123319	Mean Well ♻	S-40-24	+24V @ 0-1.8A	43.0W	5.1x3.9x1.5	100	0.5	0.5	2	UL/CUL/TUV/CE/CB	21.49	19.95	18.95
323417	Mean Well ♻	RS-50-24	+24V @ 0-2.2A	52.8W	3.9x3.8x1.4	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	24.95	22.49	20.95
2079381	PowerLD ♻	PD-60-24	+24V @ 0-2.5A	60.0W	5.1x3.9x1.5	120	2.0	0.5	—	UL/CUL/CE	26.95	24.95	22.95
123352	Mean Well ♻	S-60-24	+24V @ 0-2.5A	60.0W	6.3x3.8x1.5	150	0.5	0.5	2	UL/CUL/TUV/CE/CB	23.49	21.95	20.95
323620	Mean Well ♻	RS-75-24	+24V @ 0-3.2A	76.8W	5.1x3.9x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	29.95	27.95	25.95
194854	Mean Well ♻	SP-75-24	+24V @ 0-3.2A	76.8W	7.0x3.9x1.3	100	0.5	0.5	3	UL/CUL/TUV/CE/CB	44.95	42.49	39.95
194812	Mean Well ♻	SP-100-24	+24V @ 0-4.2A	100.8W	7.0x3.9x1.8	150	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	49.95	46.95	43.95
201971	Mean Well ♻	S-100F-24	+24V @ 0-4.5A	108.0W	7.8x3.9x1.5	150	0.5	0.5	2	UL/TUV/CE/CB	28.95	26.95	24.95
323732	Mean Well ♻	RS-100-24	+24V @ 0-4.5A	108.0W	6.3x3.8x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	41.95	38.95	36.95
155651	Power One	MAP110-1024CM	+24V @ 5A or +28V @ 4.3A	110.0W	7.0x4.3x1.8	240	0.5	1.0	—	UL/CSA/TUV	39.95	36.95	33.95
1945920	APS	RP1150-24C	+24V @ 0-6.25A	150.0W	7.5x4.2x2.0	100	1.0	1.0	—	UL/CE	39.95	36.95	33.95
173404	Mean Well ♻	SP-150-24	+24V @ 0-6.25A	150.0W	7.0x3.9x2.0	150	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	56.95	52.95	49.95

* Primary Output

More Enclosed Switching Power Supplies on pages 134-135 & 137-138

♻ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Enclosed Switching AC-to-DC Power Supplies (Continued)



PSP-500

★Web Code: EPS

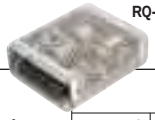
Jameco Part No.	Manufacturer	Mfr. Part No.	Output Voltage @ Current (min-max)	Output Power	Size (L"xW"xH")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Additional Info Pg. 134†	Certification	Pricing 1	Pricing 10	Pricing 25
Single Output (Continued)													
371012	Potrans	GL150W-24-NC	+24V @ 6.5A	156.0W	7.8x3.7x2.5	180	2.0	2.0	—	UL/CUL/TUV/CE	$29.95	$26.95	$23.95
123450	Mean Well	S-150-24	+24V @ 0-6.5A	156.0W	7.0x4.3x2.0	240	0.2	0.2	2	UL/CUL/TUV/CE/CB	39.95	34.95	32.49
2079429	PowerLD	PD-150-24	+24V @ 0-6.5A	156.0W	7.8x3.9x1.5	120	1.0	0.5	—	UL/CUL/CE	39.95	36.95	33.95
323855	Mean Well	RS-150-24	+24V @ 0-6.5A	156.0W	7.8x3.9x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	44.95	41.95	38.95
2094864	Mean Well	HRPG-150-24	+24V @ 0-6.5A	156.0W	6.3X3.8X1.5	150	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	84.95	79.95	74.95
689750	Potrans	FS-20024-1M	+24V @ 0-8.3A	200.0W	7.8x4.3x2.0	150	0.5	0.5	—	UL/CSA/CE/TUV	49.95	44.95	39.95
194782	Mean Well	SP-200-24	+24V @ 0-8.4A	201.6W	7.0x3.9x2.0	150	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	62.95	58.95	54.95
137657	Mean Well	S-240-24	+24V @ 0-10A	240.0W	7.5x3.7x2.6	180	0.5	0.5	2	UL/CUL/TUV/CE/CB/PFC	74.95	69.95	66.95
196657	Mean Well	S-320-24	+24V @ 0-12.5A	300.0W	8.5x4.5x2.0	150	0.5	0.5	2	UL/CUL	69.95	64.95	59.95
244752	Mean Well	SP-320-24	+24V @ 0-13.0A at 230VAC; 0-10.4A @ 115VAC	312.0W	8.5x4.5x2.0	150	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	84.95	79.95	74.95
2094881	Mean Well	HRP-300-24	+24V @ 0-14A	336.0W	7.8X4.1X1.6	150	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	119.95	114.95	109.95
301322	Mean Well	SP-480-24	+24V @ 0-20.0A at 230VAC; 0-18A @ 115VAC	480.0W	10.9x5.0x1.7	150	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	154.95	144.95	134.95
147054	Mean Well	SP-500-24	+24V @ 0-20.0A at 230VAC; 0-17A @ 115VAC	480.0W	6.7x4.7x3.7	240	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	149.95	139.95	129.95
190722	Mean Well	PSP-500-24	+24V @ 0-20.8A at 230VAC; 0-16.6A @ 115VAC	499.2W	10.9x5.1x7.5	150	0.5	0.2	5	UL/CUL/TUV/CE/CB/PFC	219.95	209.95	199.95
295902	Mean Well	SE-600-24	+24V @ 0-25A	600.0W	9.7x5.0x2.5	150	0.5	0.5	2	UL/CUL	114.95	106.95	99.95
374231	Mean Well	PSP-600-24	+24V @ 0-25A	600.0W	6.7x4.7x3.7	240	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	144.95	134.95	124.95
220265	Mean Well	SCN-600-24	+24V @ 0-25A	600.0W	11.5x5.2x2.7	240	1.0	0.5	4	UL/CUL/CB	224.95	209.95	194.95
374264	Mean Well	SCP-600-24	+24V @ 0-25A	600.0W	11.4x4.7x2.7	240	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	299.95	279.95	259.95
320048	Mean Well	SP-750-24	+24V @ 0-31.3A	750.0W	10.9x5.0x2.5	120	0.5	0.2	3	UL/CUL/TUV/CE/CB	219.95	199.95	184.95
374310	Mean Well	SCP-800-24	+24V @ 0-33A	792.0W	11.4x4.7x2.7	240	0.5	0.5	5	UL/CUL/TUV/CE/CB	289.95	269.95	249.95
217358	Mean Well	PSP-1000-24	+24V @ 0-37.6A at 230VAC; 0-32A @ 115VAC	902.4W	10.9x5.1x5.0	150	0.5	0.2	5	UL/CUL/TUV/CE/CB/PFC	359.95	329.95	299.95
1585717	Mean Well	RSP-1000-24	+24V @ 0-40A	960.0W	11.6x5.0x1.6	150	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	319.95	299.95	279.95
373923	Mean Well	PSP-1500-24	+24V @ 0-56.4A	1353.6W	10.9x5.1x7.5	150	0.5	0.2	5	UL/CUL/TUV/CE/CB/PFC	529.95	489.95	449.95
694938	Mean Well	RSP-1500-24	+24V @ 0-63A	1512.0W	10.9x5.0x3.3	150	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	424.95	389.95	359.95
693409	Mean Well	SP-75-27	+27V @ 0-2.8A	75.6W	7.0x3.9x1.3	100	0.5	0.5	3	UL/CUL/TUV/CE/CB	44.95	42.49	39.95
202033	Mean Well	S-150-27	+27V @ 0-5.6A	151.2W	7.0x4.3x2.0	240	0.2	0.2	2	UL/CUL/TUV/CE/CB	34.95	32.95	31.49
693548	Mean Well	SP-200-27	+27V @ 0-7.5A	202.5W	7.0x3.9x2.0	150	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	62.95	58.95	54.95
693581	Mean Well	S-320-27	+27V @ 0-11.0A	297.0W	8.5x4.5x2.0	200	0.5	0.5	2	UL/CUL	69.95	64.95	59.95
693628	Mean Well	SP-320-27	+27V @ 0-11.7A	315.9W	8.5x4.5x2.0	200	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	84.95	79.95	74.95
190706	Mean Well	SP-500-27	+27V @ 0-18A at 230VAC; 0-15.3A @ 115VAC	486.0W	6.7x4.7x3.7	200	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	149.95	139.95	129.95
190731	Mean Well	PSP-500-27	+27V @ 0-18.5A at 230VAC; 0-14.8A @ 115VAC	499.5W	10.9x5.1x7.5	150	0.5	0.2	5	UL/CUL/TUV/CE/CB/PFC	219.95	209.95	199.95
295911	Mean Well	SE-600-27	+27V @ 0-22.2A	599.4W	9.7x5.0x2.5	150	0.5	0.5	2	UL/CUL	114.95	106.95	99.95
374257	Mean Well	PSP-600-27	+27V @ 0-22.2A	600.0W	6.7x4.7x3.7	240	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	149.95	139.95	129.95
374038	Mean Well	SP-750-27	+27V @ 0-27.8A	750.0W	10.9x5.0x2.5	120	0.5	0.2	3	UL/CUL/TUV/CE/CB	219.95	199.95	184.95
231652	Mean Well	PSP-1000-27	+27V @ 0-33.6A at 230VAC; 0-28.6A at 115VAC	907.2W	10.9x5.1x5.0	150	0.5	0.2	5	UL/CUL/TUV/CE/CB/PFC	449.95	419.95	394.95
1585709	Mean Well	RSP-1000-27	+27V @ 0-37.0A	999.0W	11.6x5.0x1.6	150	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	319.95	299.95	279.95
231714	Mean Well	PSP-1500-27	+27V @ 0-50.4A	1360.8W	10.9x5.1x7.5	150	0.5	0.2	5	UL/CUL/TUV/CE/CB/PFC	529.95	489.95	449.95
694946	Mean Well	RSP-1500-27	+27V @ 0-56.0A	1512.0W	10.9x5.0x3.3	150	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	424.95	389.95	359.95
392834	Mean Well	S-240-30	+30V @ 0-8A	240.0W	7.5x3.7x2.6	180	0.5	0.5	2	UL/CUL/TUV/CE/CB/PFC	74.95	69.95	66.95
216805	Mean Well	SP-75-48	+48V @ 0-1.6A	76.8W	7.0x3.9x1.3	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	44.95	42.49	39.95
216793	Mean Well	S-100F-48	+48V @ 0-2.2A	105.6W	7.8x3.9x1.5	150	0.5	0.5	2	UL/TUV/CE/CB	28.95	26.95	24.95
167346	Mean Well	S-150-48	+48V @ 0-3.2A	153.6W	7.0x4.3x2.0	240	0.2	0.2	2	UL/CUL/TUV/CE/CB	34.95	32.95	31.49
201930	Mean Well	SP-150-48	+48V @ 0-3.2A	153.6W	7.0x3.9x2.0	250	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	56.95	52.95	49.95
323863	Mean Well	RS-150-48	+48V @ 0-3.3A	158.4W	7.8x3.9x1.5	200	0.5	0.5	1	UL/CUL/TUV/CE/CB	44.95	41.95	38.95
202068	Mean Well	SP-200-48	+48V @ 0-4.2A	201.6W	7.0x3.9x2.0	250	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	62.95	58.95	54.95
167338	Mean Well	S-240-48	+48V @ 0-5.0A	240.0W	7.5x3.7x2.6	240	1.0	1.0	2	UL/CUL/TUV/CE/CB/PFC	74.95	69.95	66.95
689776	Metapo	1M321C48-0M	+48V @ 0-6.5A	312.0W	7.5x4.5x2.0	240	0.5	0.5	—	UL/CUL	66.95	62.95	59.95
207191	Mean Well	S-320-48	+48V @ 0-6.5A	312.0W	8.5x4.5x2.0	240	0.5	0.5	2	UL/CUL	69.95	64.95	59.95
244770	Mean Well	SP-320-48	+48V @ 0-6.7A at 230VAC; 0-5.4A @ 115VAC	321.6W	8.5x4.5x2.0	240	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	84.95	79.95	74.95
301402	Mean Well	SP-480-48	+48V @ 0-10.0A at 230VAC; 0-9A @ 115VAC	480.0W	10.9x5.0x1.7	240	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	154.95	144.95	134.95
161796	Mean Well	SP-500-48	+48V @ 0-10.0A at 230VAC; 0-8.5A @ 115VAC	480.0W	6.7x4.7x3.7	300	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	149.95	139.95	129.95
190749	Mean Well	PSP-500-48	+48V @ 0-10.5A at 230VAC; 0-8.4A @ 115VAC	504.0W	10.9x5.1x7.5	200	0.5	0.2	5	UL/CUL/TUV/CE/CB/PFC	219.95	209.95	199.95
374062	Mean Well	SCN-600-48	+48V @ 0-12.0A	576.0W	11.5x5.2x2.7	480	0.5	0.5	4	UL/CUL/CB	224.95	209.95	194.95
295929	Mean Well	SE-600-48	+48V @ 0-12.5A	600.0W	9.7x5.0x2.5	200	0.5	0.5	2	UL/CUL	114.95	106.95	99.95
374249	Mean Well	PSP-600-48	+48V @ 0-12.5A	600.0W	6.7x4.7x3.7	240	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	149.95	139.95	129.95
217350	Mean Well	PSP-1000-48	+48V @ 0-19.0A at 230VAC; 0-16.2A @ 115VAC	912.0W	10.9x5.1x5.0	200	0.5	0.2	5	UL/CUL/TUV/CE/CB/PFC	449.95	419.95	394.95
1585725	Mean Well	RSP-1000-48	+48V @ 0-21.0A	1008.0W	11.6x5.0x1.6	150	0.5	0.5	5	UL/CUL/TUV/CE/CB	319.95	299.95	279.95
231722	Mean Well	PSP-1500-48	+48V @ 0-28.5A	1368.0W	10.9x5.1x7.5	200	0.5	0.2	5	UL/CUL/TUV/CE/CB/PFC	529.95	489.95	449.95
694954	Mean Well	RSP-1500-48	+48V @ 0-32.0A	1536.0W	10.9x5.0x3.3	200	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	424.95	389.95	359.95

*Primary Output

More Enclosed Switching Power Supplies on pages 134-136 & 138

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Enclosed Switching AC-to-DC Power Supplies (Continued)



RQ-65

★Web Code: EPS

Jameco Part No.	Manufacturer	Mfr. Part No.	Output Voltage @ Current (min-max)	Output Power	Size (L"xW"xH")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Additional Info Pg. 134†	Certification	Pricing 1	Pricing 10	Pricing 25
Double Output													
323362	Mean Well♻	RD-35A	+5V @ 0.3-4A; +12V @ 0.2-1A	32.0W	3.9x3.2x1.4	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	$28.95	$26.95	$24.95
323380	Mean Well♻	RD-35B	+5V @ 0.3-4A; +24V @ 0.2-1.3A	51.2W	3.9x3.2x1.4	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	28.95	26.95	24.95
323425	Mean Well♻	RD-50A	+5V @ 0.3-6A; +12V @ 0.3-3A	54.0W	3.9x3.8x1.4	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	32.95	29.95	27.49
323433	Mean Well♻	RD-50B	+5V @ 0.3-6A; +24V @ 0.2-2A	53.6W	3.9x3.8x1.4	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	32.95	29.95	27.49
123458	Mean Well♻	D-60A	+5V @ 0.3-4A; +12V @ 0.2-3A	56.0W	6.3x3.8x1.5	75	0.5	0.5	2	UL/CUL/TUV/CE/CB	29.95	27.95	25.95
123466	Mean Well♻	D-60B	+5V @ 0.3-3A; +24V @ 0.2-1.8A	58.0W	6.3x3.8x1.5	75	0.5	0.5	2	UL/CUL/TUV/CE/CB	29.95	27.95	25.95
323505	Mean Well♻	RD-65A	+5V @ 0.3-8A; +12V @ 0.2-4A	66.0W	5.1x3.9x1.5	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	35.95	32.95	29.95
323513	Mean Well♻	RD-65B	+5V @ 0.3-8A; +24V @ 0.2-3A	68.0W	5.1x3.9x1.5	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	35.95	32.95	29.95
323628	Mean Well♻	RD-85A	+5V @ 2.0-10A; +12V @ 0.3-5A	88.0W	6.3x3.8x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	51.95	48.95	45.95
132410	Mean Well♻	D-120A	+5V @ 2.0-12A; +12V @ 0.5-5A	120.0W	7.0x3.9x2.0	60	0.5	0.5	2	UL/CUL/TUV/CE/CB	49.95	46.95	43.95
132397	Mean Well♻	D-120B	+5V @ 2.0-6A; +24V @ 0.4-4A	126.0W	7.0x3.9x2.0	60	0.5	0.5	2	UL/CUL/TUV/CE/CB	49.95	46.95	43.95
323759	Mean Well♻	RD-125B	+5V @ 2.0-10A; +24V @ 0.4-5A	133.4W	7.8x3.9x1.5	80	3.0	1.0	1	UL/CUL/TUV/CE/CB	53.95	49.95	46.95
Triple Output													
201989	Mean Well♻	T-40A	+5V @ 0.6-3A; +12V @ 0.2-2A; -5V @ 0.1-0.5A	41.5W	5.1x3.9x1.5	100	0.5	0.5	2	CSA/CE	$29.95	$27.95	$25.95
201997	Mean Well♻	T-40B	+5V @ 0.6-3A; +12V @ 0.2-2A; -12V @ 0.1-0.5A	45.0W	5.1x3.9x1.5	100	0.5	0.5	2	CSA/CE	29.95	27.95	25.95
202009	Mean Well♻	T-40C	+5V @ 0.6-3A; +15V @ 0.2-1.5A; -15V @ 0.1-0.5A	45.0W	5.1x3.9x1.5	100	0.5	0.5	2	CSA/CE	29.95	27.95	25.95
323442	Mean Well♻	RT-50A	+5V @ 0.5-5A; +12V @ 0.2-2.5A; -5V @ 0.5-5A	46.5W	3.9x3.8x1.4	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	33.95	31.95	29.95
323460	Mean Well♻	RT-50B	+5V @ 0.5-5A; +12V @ 0.2-2.5A; -12V @ 0.1-1A	50.0W	3.9x3.8x1.4	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	33.95	31.95	29.95
323468	Mean Well♻	RT-50C	+5V @ 0-5A; +15V @ 0.2-2A; -15V @ 0.1-1A	50.0W	3.9x3.8x1.4	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	33.95	31.95	29.95
323476	Mean Well♻	RT-50D	+5V @ 0.5-5A; +12V @ 0.1-1A; +24V @ 0.2-1.5A	51.0W	3.9x3.8x1.4	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	33.95	31.95	29.95
123482	Mean Well♻	T-60B	+5V @ 0.5-5A; +12V @ 0.2-2.5A; -12V @ 0-0.5A	61.0W	6.3x3.8x1.5	100	1.0	0.5	2	UL/CUL/TUV/CE/CB	33.95	31.95	29.95
123491	Mean Well♻	T-60C	+5V @ 0.5-5A; +15V @ 0.2-2A; -15V @ 0-0.5A	62.5W	6.3x3.8x1.5	100	1.0	0.5	2	UL/CUL/TUV/CE/CB	33.95	31.95	29.95
323540	Mean Well♻	RT-65B	+5V @ 0.5-8A; +12V @ 0.2-3.5A; -12V @ 0-1A	64.6W	5.1x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	38.95	35.95	33.95
323548	Mean Well♻	RT-65C	+5V @ 0.5-8A; +15V @ 0.2-3A; -15V @ 0-1A	65.5W	5.1x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	38.95	35.95	33.95
323555	Mean Well	RT-65D	+5V @ 0.5-8A; +12V @ 0.1-1A; +24V @ 0.2-2A	68.0W	5.1x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	38.95	35.95	33.95
323644	Mean Well♻	RT-85A	+5V @ 2-10A; +12V @ 0.3-4A; -5V @ 0-1A	84.5W	6.3x3.8x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	39.95	36.95	34.95
323661	Mean Well♻	RT-85C	+5V @ 2-10A; +15V @ 0.3-4A; -15V @ 0-1A	87.5W	6.3x3.8x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	39.95	36.95	34.95
323678	Mean Well+	RT-85D	+5V @ 2-10A; +12V @ 0.1-1A; +24V @ 0.3-2.5A	90.0W	6.3x3.8x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	34.95	32.95	31.49
213794	Mean Well	TP-100A	+5V @ 3-10A; +12V @ 0.4-4A; -5V @ 0-0.6A	100.0W	7.8x3.9x2.0	100	3.0	1.0	3	UL/CUL/TUV/CE/CB/PFC	79.95	69.95	64.95
213778	Mean Well	TP-100C	+5V @ 3-10A; +15V @ 0.4-3A; -15V @ 0-0.6A	104.0W	7.8x3.9x2.0	100	3.0	1.0	3	UL/CUL/TUV/CE/CB/PFC	79.95	69.95	64.95
301509	Mean Well♻	T-120B	+5V @ 2-12A; +12V @ 0.5-5A; -12V @ 0.2-1A	121.0W	7.0x3.9x2.0	80	0.5	0.5	2	UL/CUL/TUV/CE/CB	52.95	48.95	44.95
323767	Mean Well♻	RT-125A	+5V @ 2-15A; +12V @ 0.5-6A; -5V @ 0.1-1A	131.0W	7.8x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	54.95	49.95	46.95
323775	Mean Well♻	RT-125B	+5V @ 2-15A; +12V @ 0.5-6A; -12V @ 0.1-1A	132.0W	7.8x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	54.95	49.95	46.95
323783	Mean Well♻	RT-125C	+5V @ 2-15A; +15V @ 0.5-6A; -15V @ 0.1-1A	132.5W	7.8x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	54.95	49.95	46.95
323792	Mean Well♻	RT-125D	+5V @ 2-15A; +12V @ 0.1-2A; +24V @ 0.4-4A	136.0W	7.8x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	54.95	49.95	46.95
213832	Mean Well♻	TP-150C	+5V @ 2-15A; +15V @ 0.4-4.5A; -15V @ 0-0.6A	151.5W	7.8x3.9x2.0	100	3.0	1.0	3	UL/CUL/TUV/CE/CB/PFC	64.95	59.95	54.95
Quad Output													
323484	Mean Well♻	RQ-50B	+5V @ 0.5-6A; +12V @ 0.2-1.5A; -5V @ 0-1A; -12V @ 0-1A	45.5W	3.9x3.8x1.4	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	$35.95	$33.95	$31.95
323492	Mean Well♻	RQ-50D	+5V @ 0.5-6A; +12V @ 0.2-1.5A; +24V @ 0.1-1A; -12V @ 0-1A	53.4W	3.9x3.8x1.4	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	35.95	33.95	31.95
147046	Mean Well♻	Q-60B	+5V @ 0.5-5.5A; +12V @ 0.1-2A; -5V @ 0-0.5A; -12V @ 0-0.5A	60.0W	6.3x3.8x1.5	100	0.5	0.5	2	UL/CUL/CE/CB	39.95	35.95	32.95
323564	Mean Well♻	RQ-65B	+5V @ 0.5-8A; +12V @ 0.2-3A; -5V @ 0-1A; -12V @ 0-1A	62.5W	5.1x3.9x1.5	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	39.95	36.95	34.95
323572	Mean Well♻	RQ-65D	+5V @ 0.5-8A; +12V @ 0.2-3A; +24V @ 0.1-1.5A; -12V @ 0-1A	68.0W	5.1x3.9x1.5	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	39.95	36.95	34.95
323695	Mean Well♻	RQ-85D	+5V @ 2-10A; +12V @ 0.3-4A; +24V @ 0.1-1.5A; -12V @ 0-1A	84.0W	6.3x3.8x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	54.95	51.95	48.95
132389	Mean Well♻	Q-120B	+5V @ 2-11A; +12V @ 0.5-4A; -5V @ 0.2-1A; -12V @ 0.2-1A	120.0W	7.0x3.9x2.0	80	0.5	0.5	2	UL/CUL/TUV/CE/CB	54.95	51.95	48.95
323803	Mean Well	RQ-125B	+5V @ 2-12A; +12V @ 0.5-4.5A; -5V @ 0.1-1A; -12V @ 0.1-1A	120.0W	7.8x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	58.95	54.95	51.95
132371	Mean Well♻	Q-120D	+5V @ 2-8A; +12V @ 0.2-2A; +24V @ 0.2-2A; -12V @ 0.2-1A	124.0W	7.0x3.9x2.0	80	0.5	0.5	2	UL/CUL/TUV/CE/CB	54.95	51.95	48.95
323812	Mean Well♻	RQ-125D	+5V @ 2-12A; +12V @ 0.5-4A; +24V @ 0.1-2.5A; -12V @ 0-1A	124.0W	7.8x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	58.95	54.95	51.95
213648	Mean Well♻	QP-150F	+5V @ 3-10A; +15V @ 0-3A; +24V @ 0.4-2A; -15V @ 0-0.6A	152.0W	7.8x3.9x1.5	120	2.0	1.0	3	UL/CUL/TUV/CE/CB/PFC	109.95	99.95	89.95
213752	Mean Well♻	QP-200D	+5V @ 3-15A; +12V @ 0-4A +24V @ 0.4-3A; -12V @ 0-0.7A	204.9W	7.8x3.9x2.0	100	2.0	1.0	3	UL/CUL/TUV/CE/CB/PFC	124.95	114.95	104.95

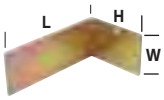
*Primary Output

♻ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Mounting Brackets & Accessories for Mean Well Enclosed Switching AC-to-DC Power Supplies

All brackets use metric screws: 2-F3 x 6, 2-F4 x 6, 2-T3 x 6, 2-T4 x 6 and 8-T4 x 6 (not included)

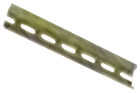
Part No.	Mfr. No.	For Models	1	10
222122	DRL-01ℛ	S-25/40, RS-25/35	$1.25	$1.09
222131	DRL-02ℛ	S-60/100F/150, D-60/120, SD-100/150, SP-75/100/150/200	1.75	1.49
222148	DRL-03	S-240/320, SP-320	2.25	1.95
222157	DRP-01ℛ	All Models	2.49	2.25
222165	DRP-02ℛ	S-25, SP-75/100/150/200	1.95	1.75
222173	DRP-03ℛ	All Models	1.95	1.75
222182	MHS012ℛ	S-320/350, SP-100/150/200/320	.75	.65
1952636	MHS013ℛ	PSP-500, SP-750, SE-600	.85	.75
222199	MHS025	SP-500, PSP-600	.95	.85
248736	2094.0ℛ	DR, DRH, DRP, DRT, MDR	6.95	6.29



222122 4.35"L x 1.73"W x 2.52"H
222131 7.50"L x 1.73"W x 2.52"H
222148 7.875"L x 2.48"W x 1.80"H

222157
5.13"L x 4.09"W x .078"H

222165
3.2"L x 2.0"W x 0.3"H



248736 (DIN Mounting Rail)
Length: 1 meter

222173
1.75"L x 1.97"W x .345"H

222182
.767"L x .60"W x .625"H

1952636
1.62"L x .67"W x .60"H

222199
5.51"L x 7.89"W x .068"H

Mating Connector

103588 $1.20/10
Spade Solderless Terminal

Crimp Tool

72996 $22.49
Solderless Terminal Crimp Tool

Pricing & specs on page 89

LED Enclosed Power Supplies with Power Factor Correction

PLN Series

For Indoor and Outdoor Applications

- Suitable for LED lighting & moving sign application
- Short-circuit/overload/overvoltage/overtemperature protection
- UL1310 class 2 power unit
- 100% full-load burn-in test
- Universal AC input/full range
- Inrush current: 40A/230VAC
- Cooling by free air convection

★ *Web Code: LPP*

PLN Series • Plastic case • Constant voltage and current • Working temperature: -30˚C to 50˚C • Two-year warranty

CLG Series • Metal case • Adjustable voltage and current • Working temperature: -30˚C to 70˚C • Three-year warranty

Jameco Part No.	Manufacturer	Mfr. Part No.	Output Voltage @ Current (min-max)	Output Power	Size (L" x W" x H")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 10	Pricing 25
1954404	Mean Wellℛ	PLN-30-12	+12V @ 0-2.5A	30.0W	5.7 x 1.9 x 1.2	2000	10.0	3.0	UL/CUL/TUV/CE	$33.95	$31.95	$29.95
1918833	Mean Wellℛ	PLN-100-12	+12V @ 0-5A	60.0W	7.9 x 2.8 x 1.4	150	2.0	1.0	UL/CUL/TUV/CE/PFC	59.95	56.95	54.95
1954877	Mean Wellℛ	CLG-150-12A	+12V @ 0-11A	132.0W	8.7 x 2.7 x 1.5	150	1.0	0.5	UL/TUV/CE	84.95	79.95	74.95
1918964	Mean Wellℛ	PLN-60-15	+15V @ 0-4A	60.0W	7.1 x 2.4 x 1.4	2400	10.0	4.0	UL/CUL/TUV/CE	49.95	46.95	44.95
1919001	Mean Wellℛ	CLG-60-15	+15V @ 0-4A	60.0W	6.8 x 2.4 x 1.5	2400	10.0	4.0	UL/CUL/TUV/CE	59.95	56.95	54.95
1918841	Mean Wellℛ	PLN-100-15	+15V @ 0-5A	75.0W	7.9 x 2.8 x 1.4	150	2.0	1.0	UL/CUL/TUV/CE/PFC	59.95	56.95	54.94
1585856	Mean Wellℛ	CLG-100-15	+15V @ 0-5A	75.0W	8.7 x 2.7 x 1.5	150	2.0	1.0	UL/CUL/TUV/CE/PFC	77.95	72.95	67.95
1585864	Mean Wellℛ	CLG-100-20	+20V @ 0-4.8A	96.0W	8.7 x 2.7 x 1.5	150	2.0	1.0	UL/CUL/TUV/CE/PFC	77.95	72.95	67.95
1954412	Mean Wellℛ	PLN-30-24	+24V @ 0-1.25A	30.0W	5.7 x 1.9 x 1.2	2600	10.0	3.0	UL/CUL/TUV/CE	33.95	31.95	29.95
1918868	Mean Wellℛ	PLN-100-24	+24V @ 0-4A	96.0W	7.9 x 2.8 x 1.4	150	2.0	1.0	UL/CUL/TUV/CE/PFC	59.95	56.95	54.95
1585872	Mean Wellℛ	CLG-100-24	+24V @ 0-4A	96.0W	8.7 x 2.7 x 1.5	150	2.0	1.0	UL/CUL/TUV/CE/PFC	77.95	72.95	67.95
1954885	Mean Wellℛ	CLG-150-24A	+24V @ 0-6.3A	150.0W	8.7 x 2.7 x 1.5	150	1.0	0.5	UL/TUV/CE	84.95	79.95	74.95
1585733	Mean Wellℛ	CLG-100-27	+27V @ 0-3.55A	96.0W	8.7 x 2.7 x 1.5	150	2.0	1.0	UL/CUL/TUV/CE/PFC	77.95	72.95	67.95
1585768	Mean Wellℛ	CLG-100-48	+48V @ 0-2A	96.0W	8.7 x 2.7 x 1.5	150	2.0	1.0	UL/CUL/TUV/CE/PFC	77.95	72.95	67.95

* Primary Output

Encapsulated Switching Power Supplies

★ *Web Code: ESP*

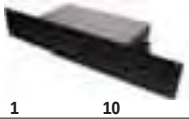
PM-05/PM-10/PM-15/PM-20 Series:

- Universal AC input (85-264VAC @ 47Hz)
- Short-circuit, overload, overvoltage protection
- Ultra-miniature size
- UL/CUL/TUV/CE/CB
- Cooling by free air convection
- 100% full-load burn-in test
- Three-year warranty

Part No.	Manufacturer	Mfr. P/N	Output Volt.@Curr. (min-max)	Output Power	Pins	Ripple & Noise (mVp-p)	Load Reg (±%)	Line Reg (±%)	Size (L" x W" x H")	Pricing 1	Pricing 10	Pricing 25
1954527	Mean Wellℛ	PM-05-12	+12V @ 0-0.42A	5.04W	4	150	1.0	0.5	2.5 x 2.0 x 0.8	$19.95	$17.95	$15.95
1954551	Mean Wellℛ	PM-10-12	+12V @ 0-0.85A	10.20W	4	150	1.0	0.5	2.8 x 2.0 x 0.9	21.95	19.95	17.95
1954586	Mean Wellℛ	PM-15-12	+12V @ 0-1.25A	15.00W	4	150	1.0	0.5	3.0 x 2.1 x 0.9	24.95	22.49	19.95
1954367	Mean Wellℛ	PM-20-12	+12V @ 0-1.80A	21.60W	6	150	1.0	0.5	3.7 x 2.2 x 0.9	27.95	25.95	23.95
1954535	Mean Wellℛ	PM-05-24	+24V @ 0-0.23A	5.52W	4	240	0.5	0.5	2.5 x 2.0 x 0.8	19.95	17.95	15.95
1954560	Mean Wellℛ	PM-10-24	+24V @ 0-0.42A	10.10W	4	240	0.5	0.5	2.8 x 2.0 x 0.9	21.95	19.95	17.95
1954594	Mean Wellℛ	PM-15-24	+24V @ 0-0.63A	15.10W	4	240	0.5	0.5	3.0 x 2.1 x 0.9	24.95	22.49	19.95
1954383	Mean Wellℛ	PM-20-24	+24V @ 0-0.92A	22.10W	6	240	0.5	0.5	3.7 x 2.2 x 0.9	27.95	25.95	23.95

Rackmount Power Supply

★ *Web Code: MCJ*



- AC Input active surge current limiting • Forced air cooling by built-in DC fan • Built-in remote sense function
- Short-circuit, overload, overvoltage, overtemperature protection • Input voltage: 90-132VAC/180-264VAC switch selectable

Part No.	Mfr. Part No.	Power	Output (VDC @ A)	Ripple & Noise	Size(W x D x H)	1	10	25
673408	SE-600-48RM	600W	48 @ 12.5	150mVp-p max.	19.5" x 5.0" x 3.5"	$249.95	$229.95	$214.95

Dual Adj. Regulated Power Supply Kit

- Adjustable positive/negative supplies ±5 to ±15VDC, 175mA–750mA per supply
- LED on indicator • 120VAC input • 48-piece kit
- PC board construction • Difficulty level: intermediate

Part No.	Cross Ref. No.	Dimensions	Wt. (lbs.)	1	10
20626	JE215	5.1"L x 3.5"W x 2.0"H	2.1	$24.95	$22.49

We also carry AT & ATX Computer Power Supplies

See page 175

DIN-Rail Switching Power Supplies

- Short-circuit, overload, overvoltage protection
- Low cost, high reliability
- 100% full-load burn-in test

- For DIN-Rail terminal blocks see pg 87
- Universal AC input range
- Soft-start circuit, limiting AC surge current

★Web Code: RBY

UL-508

NEW MARKED IN PINK

373182 (Fig. 1)

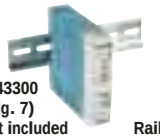
192699 (Fig. 2)

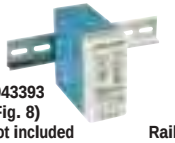
212291 (Fig. 3)

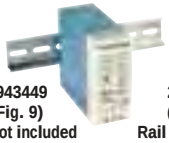
212274 (Fig. 4)

221892 (Fig. 5)

252663 (Fig. 6)


1943300 (Fig. 7) Rail not included


1943393 (Fig. 8) Rail not included


1943449 (Fig. 9) Rail not included

2081086 (Fig. 10) Rail not included

2094944 (Fig. 11) Rail not included

Part No.	Mfr. Part No.	Fig.	Output Volts @ Curr.	Pwr (W)	Input Voltage (VAC @ Hz/VDC)	Input Current @ Max Load	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
373174	DR-30-5ℛ	1	5VDC @ 3A	15	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	$24.95	$22.95	$21.49
1943300	MDR-20-5ℛ	7	5VDC @ 3A	15	85-264 @ 47-63/120-370	0.55A (115V)/0.35A (230V)	3.9 x 0.9 x 3.5	0.4	25.95	24.49	22.95
212303	DR-4505ℛ	2	5VDC @ 5A	25	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.9	27.95	25.95	23.95
1943393	MDR-40-5ℛ	8	5VDC @ 6A	30	85-264 @ 47-63/120-370	1.1A (115V)/0.7A (230V)	3.9 x 1.6 x 3.5	0.6	32.95	31.49	29.95
373212	DR-60-5ℛ	1	5VDC @ 6.5A	32.5	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	34.95	32.49	29.95
1943449	MDR-60-5ℛ	9	5VDC @ 10A	50	85-264 @ 47-63/120-370	1.8A (115V)/1.0A (230V)	3.9 x 1.6 x 3.5	0.7	36.95	34.95	32.95
1952978	MDR-10-12ℛ	7	12VDC @ 0.84A	10	85-264 @ 47-63/120-370	0.33A(155V)/0.21A(230V)	3.9 x 0.9 x 3.5	0.4	21.95	20.49	19.49
2094952	DR-15-12ℛ	1	12VDC @ 1.25A	15	85-264 @ 47-63/120-370	0.88A(115V)/0.48A(230V)	3.7 x 1.0 x 2.2	0.2	21.49	19.95	18.95
1943334	MDR-20-12ℛ	7	12VDC @ 1.67A	20	85-264 @ 47-63/120-370	0.55A (115V)/0.35A (230V)	3.9 x 0.9 x 3.5	0.4	25.95	24.49	22.95
373182	DR-30-12ℛ	1	12VDC @ 2A	24	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	24.95	22.95	21.49
1943406	MDR-40-12ℛ	8	12VDC @ 3.33A	40	85-264 @ 47-63/120-370	1.1A (115V)/0.7A (230V)	3.9 x 1.6 x 3.5	0.6	32.95	31.49	29.95
192699	DR-4512ℛ	2	12VDC @ 3.5A	42	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.7	27.95	25.95	23.95
373230	DR-60-12ℛ	1	12VDC @ 4.5A	54	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	34.95	32.49	29.95
1943457	MDR-60-12ℛ	9	12VDC @ 5A	60	85-264 @ 47-63/120-370	1.8A (115V)/1.0A (230V)	3.9 x 1.6 x 3.5	0.7	36.95	34.95	32.95
212291	DR-75-12ℛ	3	12VDC @ 6.3A	75	85-264 @ 47-63/120-370	2.0A(115V)/1.2A(230V)	3.9 x 2.1 x 4.9	1.2	44.95	42.49	39.95
1943481	MDR-100-12ℛ	9	12VDC @ 7.5A	90	85-264 @ 47-63/120-370	1.3A(155V)/0.8A(230V)	3.9 x 2.2 x 3.5	0.9	64.95	61.95	58.95
212274	DR-120-12ℛ	4	12VDC @ 10A	120	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	54.95	51.95	48.95
2099366	SDR-120-12ℛ	10	12VDC @ 10A	120	88-264/124-370* @ 47-63	1.4A(115V)/10.7A(230V)	4.5 x 1.6 x 4.9	1.5	109.95	99.95	89.95
373191	DR-30-15ℛ	1	15VDC @ 2A	30	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	24.95	22.95	21.49
373238	DR-60-15ℛ	1	15VDC @ 4A	60	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	34.95	32.49	29.95
1952986	MDR-10-24ℛ	7	24VDC @ 0.42A	10	85-264 @ 47-63/120-370	0.33A(155V)/0.21A(230V)	3.9 x 0.9 x 3.5	0.4	21.95	20.49	19.49
1943385	MDR-20-24ℛ	7	24VDC @ 1A	24	85-264 @ 47-63/120-370	0.55A (115V)/0.35A (230V)	3.9 x 0.9 x 3.5	0.4	25.95	24.49	22.95
373203	DR-30-24ℛ	1	24VDC @ 1.5A	36	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	24.95	22.95	21.49
1943422	MDR-40-24ℛ	8	24VDC @ 1.7A	40.8	85-264 @ 47-63/120-370	1.1A (115V)/0.7A (230V)	3.9 x 1.6 x 3.5	0.6	32.95	31.49	29.95
192681	DR-4524ℛ	2	24VDC @ 2A	48	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.7	27.95	25.95	23.95
373246	DR-60-24ℛ	1	24VDC @ 2.5A	60	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	34.95	32.49	29.95
1943465	MDR-60-24ℛ	9	24VDC @ 2.5A	60	85-264 @ 47-63/120-370	1.8A (115V)/1.0A (230V)	3.9 x 1.6 x 3.5	0.7	36.95	34.95	32.95
212282	DR-75-24ℛ	3	24VDC @ 3.2A	75	85-264 @ 47-63/120-370	2.0A(115V)/1.2A(230V)	3.9 x 2.1 x 4.9	1.2	44.95	42.49	39.95
1943490	MDR-100-24ℛ	9	24VDC @ 4A	90	85-264 @ 47-63/120-370	1.3A(155V)/0.8A(230V)	3.9 x 2.2 x 3.5	0.9	64.95	61.95	58.95
1943537	DR-100-24ℛ	1	24VDC @ 4.2A	100	88-264 @ 47-63/124-370	3.0A(115V)/1.6A(230V)	2.2 x 3.9 x 3.7	0.8	49.95	46.95	44.95
212266	DR-120-24ℛ	4	24VDC @ 5A	120	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	54.95	51.95	48.95
1953727	DRH-120-24ℛ	4	24VDC @ 5A	120	340-550 @ 47-63/480-780	0.65A(400V)/0.6A(500V)	3.9 x 2.6 x 4.9	1.7	74.95	69.95	64.95
2099374	SDR-120-24	10	24VDC @ 5A	120	88-264/124-370* @ 47-63	1.4A(115V)/10.7A(230V)	4.5 x 1.6 x 4.9	1.5	109.95	99.95	89.95
221892	DRP-240-24ℛ†	5	24VDC @ 10A	240	85-264 @ 47-63/120-370	3.5A(115V)/1.8A(230V)	3.9 x 4.9 x 4.9	2.4	89.95	84.95	79.95
373123	DRT-240-24ℛ	5	24VDC @ 10A	240	3-phase 340-550 @ 47-63/480-780	0.95A(400V)/0.75A(500V)	3.9 x 4.9 x 4.9	2.9	94.95	89.95	84.95
2081086	SDR-240-24ℛ	10	24VDC @ 10A	240	88-264 @ 47-63/124-370	2.6A(115V)/1.3A(230V)	2.5 x 4.9 x 4.5	2.5	134.95	124.95	114.95
252663	DRP-480-24ℛ†	6	24VDC @ 20A	480	180-264 @ 47-63/25-370	4.0A(230V)	8.9 x 3.9 x 4.9	4.6	159.95	144.95	134.95
295938	DRP-480S-24ℛ†	6	24VDC @ 20A	480	90-132/180-264* @ 47-63/254-370	11.0A(115V)/4.0A(230V)	8.9 x 3.9 x 4.9	4.6	139.95	129.95	119.95
2094944	SDR-480-24ℛ	11	24VDC @ 20A	480	88-264 @ 47-63/124-370	2.6A(115V)/1.3A(230V)	4.9 x 3.4 x 5.0	4.9	209.95	194.95	184.95
1943431	MDR-40-48ℛ	8	48VDC @ 0.83A	39.8	85-264 @ 47-63/120-370	1.1A (115V)/0.7A (230V)	3.9 x 1.6 x 3.5	0.6	32.95	31.49	29.95
1943473	MDR-60-48ℛ	9	48VDC @ 1.25A	60	85-264 @ 47-63/120-370	1.8A (115V)/1.0A (230V)	3.9 x 1.6 x 3.5	0.7	36.95	34.95	32.95
221904	DR-120-48ℛ	4	48VDC @ 2.5A	120	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	54.95	51.95	48.95
1953735	DRH-120-48ℛ	4	48VDC @ 2.5A	120	340-550 @ 47-63/480-780	0.65A(400V)/0.6A(500V)	3.9 x 2.6 x 4.9	1.7	74.95	69.95	64.95
221883	DRP-240-48ℛ†	5	48VDC @ 5A	240	85-264 @ 47-63/120-370	3.5A(115V)/1.8A(230V)	3.9 x 4.9 x 4.9	2.4	89.95	84.95	79.95
2094936	SDR-240-48ℛ	10	48VDC @ 5A	240	88-264 @ 47-63/120-370	2.6A(115V)/1.3A(350V)	2.5 x 4.9 x 4.5	2.5	134.95	124.95	114.95
252655	DRP-480-48ℛ†	6	48VDC @ 10A	480	180-264 @ 47-63/25-370	4.0A(230V)	8.9 x 3.9 x 4.9	4.6	159.95	144.95	134.95
301306	DRP-480S-48ℛ†	6	48VDC @ 10A	480	90-132/180-264* @ 47-63/254-370	11.0A(115V)/4.0A(230V)	8.9 x 3.9 x 4.9	4.6	139.95	129.95	119.95
373106	DRT-480-48	6	48VDC @ 10A	480	3-phase 340-550 @ 47-63/480-750	1.7A(400V)/1.3A(500V)	8.9 x 3.9 x 4.9	5.5	89.95	84.95	79.95

*Switch selectable † With Power Factor Correction

DIN Mounting Rail

Part No.	Cross Ref. No.	Description	Material	Type	Length	1	10	100
248736	2094.0ℛ	Prepunched DIN mounting rail	Zinc bichromate plate steel	TS35 x 7.5	1 meter (39")	$6.95	$6.29	$5.49

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Pure-Sine-Wave DC/AC Inverters

PST-15S PST-30S TS-1500

- Output waveform: sine wave
- Thermostatically controlled cooling fan
- Low battery alarm, low battery shutdown, overtemperature, overload, short-circuit, reverse polarity protection
- Output wave form THD: < 3%
- Output connector: 3-prong AC receptacle
- Two-year warranty

SAMLEX: • Operating temperature: 0 ~ 40°C • Output voltage: 120VAC (±3%) @ 60Hz

Mean Well: • Working temperature: 0 ~ 60°C • Output voltage: 110VAC @ 60Hz

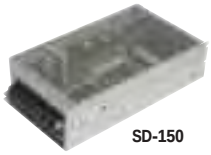
★ *Additional Sine-Wave Inverters available Online — Enter Web Code XEL*

Part No.	Manufacturer	Mfr. Part No.	Output Power (W)	Efficiency (%)	Input Voltage Range (VDC)	Input Connector	Size (L" x W" x H")	Weight (lbs.)	Pricing 1	Pricing 5
1943570	Samlex	PST-15S-12A✪	150	85	10.5 – 16.5	Cigarette lighter plug	8.3 x 5.8 x 2.6	2.9	$109.95	$99.95
672624	Samlex	PST-30S-12A	300	85	10.5 – 16.5	Screwdown terminals	8.4 x 5.8 x 2.6	3.3	139.95	119.95
673467	Samlex	PST-60S-12A*	600	85	10.7 – 16.5	Screwdown terminals	13.2 x 9.3 x 3.3	6.6	229.95	209.95
1952425	Mean Well	TS-1000-112AFℛ*	1000	88	10.5 – 15.0	Screwdown terminals	15.5 x 7.2 x 2.8	9.5	449.95	399.95
1943545	Mean Well	TS-1500-112Aℛ	1500	87	10.5 – 15.0	Screwdown terminals	16.5 x 8.7 x 3.5	7.5	599.95	549.95
1954498	Mean Well	TS-1500-124FRℛ	1500	89	21.0 – 30.0	Screwdown terminals	16.5 x 8.7 x 3.5	7.5	599.95	549.95

* P/Ns 673467/1952425: with built-in GFCI ✪ Blue Part No. = Limited Quantity Available

15 to 500-Watt Enclosed Converters

Performance at Value Prices


SD-150

- 2:1 wide input range
- 100% burn-in test
- Working temp.: -10˚C to +60˚C
- Protection: short-circuit, overload and overvoltage

SD-15 Series • Built-in EMI filter, low ripple noise • One-year warranty

SD-25/SD-50/SD-100/SD-150 Series • Isolation voltage: 1500VDC • Built-in EMI filter, low ripple noise • One-year warranty

SD-200/350 Series • Isolation volt.: 1500VDC • Cooling by free air convection • Fixed switching freq @ 83kHz • **SD-200:** One-year warranty; **SD-350:** Two-year warranty

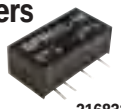
SD-500 Series • Isolation voltage: 2000VAC • DC input active surge current limiting

- Wide 4:1 ~ 2:1 SC input range
- Forced air cooling by built-in DC fan w/ fan speed control function
- Three-year warranty

★ *Web Code: UBC*

Jameco Part No.	Mfr. Part No.	Input Range	Output Voltage @ Current	Output Power	Size (L" x W" x H")	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing 1	Pricing 10	Pricing 25	Pricing 50
175662	SD-25A-5ℛ	9-18V	+5V @ 5.0A	25.0W	3.9 x 3.8 x 1.4	5	0.5	0.5	100	$24.95	$22.95	$21.49	$19.95
212549	SD-50A-5ℛ	9-18V	+5V @ 10A	50.0W	6.3 x 3.8 x 1.5	5	0.5	0.5	100	32.49	29.95	27.95	26.49
1953882	SD-200B-5ℛ	19-36V	+5V @ 34A	170.0W	8.5 x 4.5 x 2.0	9	0.5	1.0	100	109.95	99.95	94.95	89.95
1953891	SD-350B-5ℛ	19-36V	+5V @ 57A	285.0W	8.5 x 4.5 x 2.0	9	0.5	1.0	100	119.95	109.95	99.95	94.95
1953807	SD-15A-12ℛ	9.2-18V	+12V @ 1.25A	15.0W	3.1 x 2.0 x 1.1	5	0.3	0.3	120	19.95	18.49	16.95	15.95
1953823	SD-15B-12ℛ	18-36V	+12V @ 1.25A	15.0W	3.1 x 2.0 x 1.1	5	0.3	0.3	120	19.95	18.49	16.95	15.95
1953840	SD-15C-12ℛ	36-72V	+12V @ 1.25A	15.0W	3.1 x 2.0 x 1.1	5	0.3	0.3	120	19.95	18.49	16.95	15.95
175805	SD-25A-12ℛ	9-18V	+12V @ 2.1A	25.2W	3.9 x 3.8 x 1.4	5	0.3	0.3	120	25.95	23.95	21.95	20.49
212531	SD-50B-12ℛ	19-36V	+12V @ 4.2A	50.4W	6.3 x 3.8 x 1.5	5	0.3	0.3	120	32.49	29.95	27.95	26.49
212506	SD-50C-12ℛ	36-72V	+12V @ 4.2A	50.4W	6.3 x 3.8 x 1.5	5	0.3	0.3	120	32.49	29.95	27.95	26.49
212469	SD-100C-12ℛ	36-72V	+12V @ 8.5A	102.0W	7.8 x 3.9 x 1.5	7	0.3	0.3	120	41.95	38.95	36.95	34.95
217270	SD-150B-12ℛ	19-36V	+12V @12.5A	150.0W	7.8 x 4.3 x 2.0	7	0.5	0.5	120	54.95	51.95	48.95	46.95
1953903	SD-200B-12ℛ	19-36V	+12V @ 16.7A	200.4W	8.5 x 4.5 x 2.0	9	0.5	1.0	100	109.95	99.95	94.95	89.95
1953920	SD-200C-12ℛ	36-72V	+12V @ 16.7A	200.4W	8.5 x 4.5 x 2.0	9	0.5	1.0	120	109.95	99.95	94.95	89.95
1953760	SD-200D-12ℛ	72-144V	+12V @ 16.7A	200.4W	8.5 x 4.5 x 2.0	9	0.5	1.0	120	109.95	99.95	94.95	89.95
1953962	SD-350B-12ℛ	19-36V	+12V @ 27.5A	330.0W	8.5 x 4.5 x 2.0	9	0.3	1.0	120	119.95	109.95	99.95	94.95
1953997	SD-350C-12ℛ	36-72V	+12V @ 27.5A	330.0W	8.5 x 4.5 x 2.0	9	0.3	1.0	120	119.95	109.95	99.95	94.95
1954033	SD-500L-12ℛ	19-72V	+12V @ 40A	480.0W	8.5 x 4.5 x 2.0	7	0.5	0.5	150	184.95	169.95	154.95	144.95
1954050	SD-500H-12ℛ	72-144V	+12V @ 40A	480.0W	8.5 x 4.5 x 2.0	7	0.5	0.5	150	184.95	169.95	154.95	144.95
175813	SD-25A-24ℛ	9-18V	+24V @ 1.1A	26.4W	3.9 x 3.8 x 1.4	5	0.2	0.2	150	25.95	23.95	21.95	20.49
212514	SD-50B-24ℛ	19-36V	+24V @ 2.1A	50.4W	6.3 x 3.8 x 1.5	5	0.2	0.2	150	32.49	29.95	27.95	26.49
1953954	SD-200B-24ℛ	19-36V	+24V @ 8.4A	201.6W	8.5 x 4.5 x 2.0	9	0.5	1.0	150	109.95	99.95	94.95	89.95
1953743	SD-200C-24ℛ	36-72V	+24V @ 8.4A	201.6W	8.5 x 4.5 x 2.0	9	0.5	1.0	150	109.95	99.95	94.95	89.95
1953971	SD-350B-24ℛ	19-36V	+24V @ 14.6A	350.4W	8.5 x 4.5 x 2.0	9	0.2	1.0	150	119.95	109.95	99.95	94.95
1954009	SD-350C-24ℛ	36-72V	+24V @ 14.6A	350.4W	8.5 x 4.5 x 2.0	9	0.2	1.0	150	119.95	109.95	99.95	94.95
1954025	SD-500L-24ℛ	19-72V	+24V @ 21A	504.0W	8.5 x 4.5 x 2.0	7	0.5	0.5	150	184.95	169.95	154.95	144.95
1953911	SD-200B-48ℛ	19-36V	+48V @ 4.2A	201.6W	8.5 x 4.5 x 2.0	9	0.5	1.0	150	109.95	99.95	94.95	89.95
1953946	SD-200D-48ℛ	72-144V	+48V @ 4.2A	201.6W	8.5 x 4.5 x 2.0	9	0.5	1.0	120	109.95	99.95	94.95	89.95
1954017	SD-350C-48ℛ	36-72V	+48V @ 7.3A	350.4W	8.5 x 4.5 x 2.0	9	0.2	1.0	150	119.95	109.95	99.95	94.95
1953989	SD-350B-48ℛ	19-36V	+48V @ 7.3A	350.4W	8.5 x 4.5 x 2.0	9	0.3	1.0	120	119.95	109.95	99.95	94.95

Unregulated Encapsulated Converters


216831

- Input range: 4.5-5.5V
- Ripple & noise: 100mV p-p
- Input filter: capacitor type
- Line & load regulation: ±1.0%
- Working temp.: -15˚C to +60˚C
- 1000VDC isolation
- 100% burn-in test
- Protection: short-circuit
- No external components needed
- One-year warranty

★ *Web Code: SBH*

Part No.	Mfr. Part No.	Output Voltage@Current	Output Power	Size (L"xW"xH")	Pins	Pricing 1	Pricing 10	Pricing 25
213226	SRS-0505ℛ	+5V @ 100mA	0.5W	.88 x .39 x .33	8	$9.95	$8.95	$7.95
216831	SPR01L-12ℛ	+12V @ 84mA	1W	.77 x .28 x .40	4	9.95	8.95	7.95

ARTESYN 10-Amp /15Amp Point-of-Load Converters

SIL10E/SIL15C Series, Single Output

219117

- Planar magnetics technology
- 11-pin
- Protection: thermal & short circuit
- Remote sense
- Over current & short circuit protection (SIL-15C)
- Working temperature: -40°C to 100°C (SIL-10E); 0°C to 80°C (derated SIL-156)
- Highest power density: 107W/in³
- Very high MTBF
- 96% efficiency at 3.3V

★ *Web Code: YBJ*

Part No.	Series	Input Range	Voltage @ Current	Power	Amp	1	10
219133	SIL10E	3.0-5.5V	2.5V @ 10A	25W	10	$19.95	$17.95
219117	SIL10E	4.5-5.5V	0.8-3.6V @ 10A	33W	10	23.95	21.95
218886	SIL15C	4.5-5.5V	0.9-5.0V @ 10A	50W	15	13.95	11.95

★ *For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Encapsulated DC-to-DC Converters

★ Web Code: NAX

PDL02 Series

- SIP package
- External on/off control
- 2:1 wide input voltage range
- Continuous
- UL94V-0 case potting material
- Fixed switching frequency
- Two-year warranty

PDL02

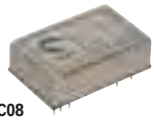
SCW03, SLW05, SCW05, SCW08, SKE10, SKA15 & SKE15 Series

- 1000VDC I/O isolation
- Shield metal case
- Short-circuit/overload protection
- 2:1 wide input range
- Cooling by free air convection
- One-year warranty

SLW05

FKC08 & FEC15 Series

- 2:1 & 4:1 wide input voltage range (depending on model)
- Short-circuit/overload protection
- Fixed switching frequency
- 1600VDC isolation
- Standard DIP package (24-pin)
- Two-year warranty


FKC08

SCW12 & DCW12 Series

- 2:1 wide input voltage range
- Short-circuit/overload protection
- 1500VDC I/O isolation
- Built-in EMI filter
- Built-in remote on/off control
- Five sided shielded metal case
- Two-year warranty

Jameco Part No.	Manufacturer	Mfr. Part No.	Input Range	Output Voltage @ Current	Output Power	Size Inches (L" x W" xH")	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing 1	Pricing 10	Pricing 25	Pricing 50
Single Output														
1943748	Power Mate ℛ	PDL02-05S3P3	4.5-9V	+3.3V @ 500mA	2W	0.86x0.36x0.44	7	0.5	0.85	50	$17.95	$15.95	$14.95	$13.95
220354	Mean Well ℛ	SLW05A-033	9-18V	+3.3V @ 1500mA	5W	2.0x1.0x0.44	5	0.2	0.5	100	19.95	17.95	15.95	14.49
220337	Mean Well	SKE10B-033	18-36V	+3.3V @ 2400mA	8W	2.0x1.0x0.44	5	0.3	0.5	50	19.95	16.95	15.95	14.95
220345	Mean Well	SKE10C-033	36-72V	+3.3V @ 2400mA	8W	2.0x1.0x0.44	5	0.3	0.5	50	14.95	13.95	12.95	11.95
1944071	Power Mate ℛ	FEC15-24S3P3	18-36V	+3.3V @ 4000mA	15W	2.0x1.0x0.4	6	0.5	0.5	50	39.95	36.95	34.95	32.95
1943772	Power Mate ℛ	PDL02-12S05	9-18V	+5V @ 400mA	2W	0.86x0.36x0.44	7	0.5	0.75	50	17.95	15.95	14.95	13.95
213269	Mean Well ℛ	SCW03A-05	9-18V	+5V @ 600mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	16.95	14.95	12.95	11.49
1953292	Mean Well ℛ	SCW05A-05	9-18V	+5V @ 1000mA	5W	1.25x0.8x0.48	8	0.5	0.5	50	17.95	15.95	13.95	12.49
216929	Mean Well ℛ	SLW05A-05	9-18V	+5V @ 1000mA	5W	2.0x1.0x0.44	5	1.0	0.2	100	22.95	19.95	17.95	15.95
216937	Mean Well ℛ	SLW05B-05	18-36V	+5V @ 1000mA	5W	2.0x1.0x0.44	5	1.0	0.2	100	22.95	19.95	17.95	15.95
1953313	Mean Well ℛ	SCW05B-05	18-36V	+5V @ 1000mA	5W	1.25x0.8x0.48	8	0.5	0.5	50	17.95	15.95	13.95	12.49
213234	Mean Well ℛ	SLW05C-05	36-72V	+5V @ 1000mA	5W	2.0x1.0x0.44	5	1.0	0.2	100	22.95	19.95	17.95	15.95
216962	Mean Well ℛ	SKE10A-05	9-18V	+5V @ 2000mA	10W	2.0x1.0x0.44	5	0.3	1.0	50	28.95	25.95	22.95	19.95
216953	Mean Well ℛ	SKE10B-05	18-36V	+5V @ 2000mA	10W	2.0x1.0x0.44	5	0.3	0.5	50	28.95	25.95	22.95	19.95
216945	Mean Well ℛ	SKE10C-05	36-72V	+5V @ 2000mA	10W	2.0x1.0x0.44	5	0.3	1.0	50	28.95	25.95	22.95	19.95
1953428	Mean Well ℛ	SCW12A-05	9-18V	+5V @ 2400mA	12W	1.25x0.8x0.48	9	0.5	0.5	50	29.95	26.95	23.95	21.95
1953461	Mean Well ℛ	SCW12C-05	36-72V	+5V @ 2400mA	12W	1.25x0.8x0.48	9	0.5	0.5	50	29.95	26.95	23.95	21.95
155716	Mean Well ℛ	SKE15A-05	9-18V	+5V @ 3000mA	15W	2.0x2.0x0.43	5	0.3	0.5	50	28.95	25.95	22.95	19.95
213277	Mean Well ℛ	SKE15B-05	18-36V	+5V @ 3000mA	15W	2.0x2.0x0.43	5	0.3	0.5	50	28.95	25.95	22.95	19.95
216911	Mean Well ℛ	SLW05B-12	18-36V	+12V @ 417mA	5W	2.0x1.0x0.44	5	1.0	0.2	100	19.95	17.95	15.95	14.49
1953495	Mean Well ℛ	SCW08A-12	9-18V	+12V @ 670mA	8W	1.25x0.8x0.48	8	0.5	0.5	60	21.95	19.49	17.49	15.95
1943844	Power Mate ℛ	FKC08-24S12W	9-36V	+12V @ 670mA	8W	1.25x0.8x0.4	9	0.2	0.5	50	29.95	26.95	24.95	22.95
1953516	Mean Well ℛ	SCW08B-12	18-36V	+12V @ 670mA	8W	1.25x0.8x0.48	8	0.5	0.5	60	21.95	19.49	17.49	15.95
217024	Mean Well ℛ	SKE10B-12	18-36V	+12V @ 840mA	10W	2.0x1.0x0.44	5	0.3	0.5	60	28.95	25.95	22.95	19.95
1953452	Mean Well ℛ	SCW12B-12	18-36V	+12V @ 1000mA	12W	1.25x0.8x0.48	9	0.5	0.5	60	29.95	26.95	23.95	21.95
1953479	Mean Well ℛ	SCW12C-12	36-72V	+12V @ 1000mA	12W	1.25x0.8x0.48	9	0.5	0.5	60	29.95	26.95	23.95	21.95
1953161	Mean Well ℛ	SKA15A-12	9-18V	+12V @ 1250mA	15W	2.0x1.0x0.44	5	0.2	0.5	60	29.95	26.95	23.95	21.95
155708	Mean Well ℛ	SKE15A-12	9-18V	+12V @ 1250mA	15W	2.0x2.0x0.43	5	0.3	0.5	60	28.95	25.95	22.95	19.95
213285	Mean Well ℛ	SKE15B-12	18-36V	+12V @ 1250mA	15W	2.0x2.0x0.43	5	0.3	0.5	60	28.95	25.95	22.95	19.95
1953170	Mean Well ℛ	SKA15B-12	18-36V	+12V @ 1250mA	15W	2.0x1.0x0.44	5	0.2	0.5	60	29.95	26.95	23.95	21.95
1953196	Mean Well ℛ	SKA15C-12	36-72V	+12V @ 1250mA	15W	2.0x1.0x0.44	5	0.2	0.5	60	29.95	26.95	23.95	21.95
1953153	Mean Well ℛ	SKA15A-05	9-18V	+12V @ 3000mA	15W	2.0x1.0x0.44	5	0.2	0.5	50	24.95	22.49	19.95	17.95
1954172	Mean Well ℛ	SKA15B-05	18-36V	+12V @ 3000mA	15W	2.0x1.0x0.44	5	0.2	0.5	50	24.95	22.49	19.95	17.95
216882	Mean Well ℛ	SLW05A-15	9-18V	+15V @ 333mA	5W	2.0x1.0x0.44	5	1.0	0.2	100	19.95	17.95	15.95	14.49
216980	Mean Well ℛ	SKE10A-15	9-18V	+15V @ 666mA	10W	2.0x1.0x0.44	5	0.3	1.0	60	26.95	23.95	21.95	19.95
155695	Mean Well ℛ	SKE15A-24	9-18V	+24V @ 625mA	15W	2.0x2.0x0.43	5	0.3	0.5	80	28.95	25.95	22.95	19.95

Encapsulated Converters continued on next page

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ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Encapsulated DC-to-DC Converters (Continued)

DCW03, DCW05, DCW08, DKE10, DKA15 & DKE15 Series

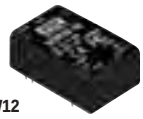
★ Web Code: NAX

- 1000VDC I/O isolation
- Shield metal case
- Short-circuit/overload protection
- 2:1 wide input range
- Cooling by free air convection
- One-year warranty

DKA15

SCW12 & DCW12 Series

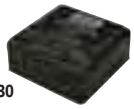
- 2:1 wide input voltage range
- 1500VDC I/O isolation
- Short-circuit/overload protection
- Built-in EMI filter
- Built-in remote on/off control
- Five sided shielded metal case
- Two-year warranty



DCW12

DKA30, TKA30 & TKB20 Series

- 1000VDC I/O isolation
- Remote on/off control
- 2:1 wide input range
- Short-circuit/overload protection
- Cooling by free air convection
- Six sided shielded metal case
- One-year warranty



TKA30

Jameco Part No.	Manufacturer	Mfr. Part No.	Input Range	Output Voltage@Current	Output Power	Size (L"xW"xH")	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing 1	Pricing 10	Pricing 25	Pricing 50
Dual Output														
155919	Mean Well ℛ	DCW03A-05	9-18V	+5V@300mA; -5V@300mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	$15.95	$13.95	$12.49	$10.95
217032	Mean Well ℛ	DKE10A-05	9-18V	+5V@1000mA; -5V@1000mA	10W	2.0x1.0x0.44	5	0.3	0.5	50	25.95	23.95	21.95	19.95
1954421	Mean Well ℛ	DCW12A-05	9-18V	+5V@1200mA; -5V@1200mA	12W	1.25x0.8x0.48	9	0.5	0.5	50	26.95	24.95	22.95	20.95
1954076	Mean Well ℛ	DCW12C-05	36-72V	+5V@1200mA; -5V@1200mA	12W	1.25x0.8x0.48	9	0.5	0.5	50	26.95	24.95	22.95	20.95
1953065	Mean Well ℛ	DKA15A-05	9-18V	+5V@1500mA; -5V@1500mA	15W	2.0x1.0x0.44	5	0.2	0.5	50	29.95	26.95	24.49	21.95
1953081	Mean Well ℛ	DKA15B-05	18-36V	+5V@3000mA; -5V@1500mA	15W	2.0x1.0x0.44	5	0.2	0.5	50	29.95	26.95	24.49	21.95
1954121	Mean Well ℛ	DKA30C-05	36-72V	+5V@2500mA; -5V@2500mA	25W	2.0x2.0x0.82	8	0.5	0.5	100	37.95	34.95	31.95	29.95
161702	Mean Well ℛ	DCW03A-12	9-18V	+12V@125mA; -12V@125mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	15.95	13.95	12.49	10.95
1953276	Mean Well ℛ	DCW05C-12	36-72V	+12V@230mA; -12V@230mA	5.5W	1.25x0.8x0.48	8	0.5	0.5	60	19.95	17.95	15.95	14.49
1953241	Mean Well ℛ	DCW05A-12	9-18V	+12V@230mA; -12V@230mA	5.5W	1.25x0.8x0.48	8	0.5	0.5	60	19.95	17.95	15.95	14.49
1953356	Mean Well ℛ	DCW08A-12	9-18V	+12V@335mA; -12V@335mA	8W	1.25x0.8x0.48	8	0.5	0.5	60	22.49	19.95	17.95	16.49
1953399	Mean Well ℛ	DCW08C-12	36-72V	+12V@335mA; -12V@335mA	8W	1.25x0.8x0.48	8	0.5	0.5	60	22.49	19.95	17.95	16.49
217092	Mean Well ℛ	DKE10A-12	9-18V	+12V@420mA; -12V@420mA	10W	2.0x1.0x0.44	5	0.3	0.5	60	25.95	23.95	21.95	19.95
1953022	Mean Well ℛ	DCW12B-12	18-36V	+12V@500mA; -12V@500mA	12W	1.25x0.8x0.48	9	0.5	0.5	60	26.95	24.95	22.95	20.95
1953049	Mean Well ℛ	DCW12C-12	36-72V	+12V@500mA; -12V@500mA	12W	1.25x0.8x0.48	9	0.5	0.5	60	26.95	24.95	22.95	20.95
161729	Mean Well ℛ	DKE15A-12	9-18V	+12V@625mA; -12V@625mA	15W	2.0x2.0x0.43	5	0.3	0.5	60	26.95	24.95	22.95	20.95
1953090	Mean Well ℛ	DKA15B-12	18-36V	+12V@625mA; -12V@625mA	15W	2.0x1.0x0.44	5	0.2	0.5	60	29.95	26.95	24.49	21.95
1953102	Mean Well ℛ	DKA15C-12	36-72V	+12V@625mA; -12V@625mA	15W	2.0x1.0x0.44	5	0.2	0.5	60	29.95	26.95	24.49	21.95
1953364	Mean Well ℛ	DCW08A-15	9-18V	+15V@267mA; -12V@267mA	8W	1.25x0.8x0.48	8	0.5	0.5	60	22.49	19.95	17.95	16.49
1953381	Mean Well ℛ	DCW08B-15	18-36V	+15V@267mA; -12V@267mA	8W	1.25x0.8x0.48	8	0.5	0.5	60	22.49	19.95	17.95	16.49
217112	Mean Well ℛ	DKE10A-15	9-18V	+15V@333mA; -15V@333mA	10W	2.0x1.0x0.44	5	0.3	0.5	60	25.95	23.95	21.95	19.95
217075	Mean Well ℛ	DKE10B-15	18-36V	+15V@333mA; -15V@333mA	10W	2.0x1.0x0.44	5	0.3	0.5	60	25.95	23.95	21.95	19.95
1953111	Mean Well ℛ	DKA15C-15	36-72V	+15V@500mA; -15V@500mA	15W	2.0x1.0x0.44	5	0.2	0.5	60	29.95	26.95	24.49	21.95
1954130	Mean Well ℛ	DKA30A-15	9-18V	+15V@1000mA; -15V@1000mA	30W	2.0x2.0x0.82	8	0.5	0.5	100	37.95	34.95	31.95	29.95
213293	Mean Well ℛ	DKE15A-24	9-18V	+24V@313mA; -24V@313mA	15W	2.0x2.0x0.43	5	0.3	0.5	80	29.95	26.95	24.49	21.95
Triple Output														
217648	Mean Well	TKB20C-B	36-72V	+5V@2500mA; ±12V@310mA	20W	1.2x2.0x0.82	8	0.2	0.2	100	$28.95	$25.95	$23.95	$21.95
1953217	Mean Well	TKA30B-B	18-36V	+5V@310mA; ±12V@310mA	25W	2.0x2.0x0.82	8	5.0	5.0	100	39.95	35.95	32.95	29.95

ARTESYN TECHNOLOGIES

Inventory Reduction Sale

Isolated Open-Frame DC-to-DC Converters

- Isolation voltage: 1500VDC
- Remote ON/OFF

CXA20: 4:1 input voltage range

- 100% burn-in test
- Two-year warranty
- Industry standard footprint

CXE15/CXA20/EXQ60: No minimum load

Blowout Prices

CXE15

Jameco Part No.	Product No.	Input Range	Output Voltage@Current	Output Power	Size (L" x W" x H")	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing 1	Pricing 10	Pricing 25
219070	CXE15-48S1V8	33-75V	+1.8V@6000mA	10.8W	2.0 x 1.0 x 0.35	6	0.3	2.0	40	$26.95	$24.95	$22.95
219088	CXE15-48S2V5	33-75V	+2.5V@6000mA	15W	2.0 x 1.0 x 0.35	6	0.3	1.5	40	26.95	24.95	22.95
218894	EXQ60-48D3V3-2V5-R	33-75V	+2.5V@16A; +3.3V@12A	40W	2.3 x 1.5 x 0.50	7	—	—	60	74.95	69.95	64.95
219053	CXE15-48S3V3	33-75V	+3.3V@4500mA	15W	2.0 x 1.0 x 0.35	6	0.1	0.5	70	26.95	24.95	22.95
219109	CXA20-48S3V3	18-75V	+3.3V@6000mA	19.8W	2.0 x 1.6 x 0.41	8	0.1	0.2	75	29.95	26.95	24.95
218907	EXQ60-48D05-3V3-R	33-75V	+3.3V@15A; +5V@12A	60W	2.3 x 1.5 x 0.50	7	—	—	60	74.95	69.95	64.95

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Save 10% or more on most batteries!

Applications: personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers/descramblers and remotes.

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7

Fig. 8

Fig. 9

Fig. 10

Fig. 11

Fig. 12

Fig. 13

Lithium

★Web Code: GCF

Part No.	Product No.	Manufacturer	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
673627	NB4414/F9D	Panasonic	5	Coin cell	2.0	1.0	4.8mm body w/ tabs (2)	0.18"Dia. x 0.06"Thick	$.59	$.49	$.45
673601	NBL621/F9DE	Various	—	Coin cell	2.0	4.0	Vertical PC mount	0.27"Dia. x 0.10"Thick	.95	.85	.79
1950665	CR2016	Various	5	Coin cell	3	90	20mm body w/ tabs (2)	0.80"Dia. x 0.07"Thick	.65	.59	.55
11789	CR2325	Various	5	Coin cell	3	165	Clock/memory/watch	0.91"Dia. x 0.13"Thick	1.79	1.59	1.45
14162	CR2032	Various	5	Coin cell	3	180	Clock/memory/watch	0.79"Dia. x 0.13"Thick	1.25	1.09	.99
1585451	DL2032	Duracell	5	Coin cell	3	180	Clock/memory/watch	0.79"Dia. x 0.13"Thick	1.49	1.35	1.19
1954631	BR2330	Various	5	Coin cell	3	255	Clock/memory/watch (w/ legs)	0.90"Dia. x 0.14"Thick	1.49	1.35	1.19
689071	DL2450	Various	5	Coin cell	3	600	Clock/memory/watch	0.95"Dia. x 0.18"Thick	2.25	1.95	1.75
126754	TL5101S	Tadiron	6	Sub-AA	3.6	850	Macintosh®	0.95"L x 0.56"Dia.	4.75	4.25	3.55
240266	ER14250	ReliaPro	7	Sub-AA	3.6	1000	Consumer tip	1.00"L x 0.55"Dia.	4.25	3.95	3.55
263898	ER14250	ReliaPro	8	Sub-AA	3.6	1000	With axial leads	1.00"L x 0.55"Dia.	4.75	4.25	3.85
33371	TL5101P	Tadiron	2	1/2AA	3.6	850	Barrel w/ leads (clock/mem.)	0.93"L x 0.56"Dia.	6.25	5.65	4.95
673635	CA1/2AA	Various	8	1/2 AA	3	950	Barrel w/ leads (2)	1.0"L x 0.58"Dia.	1.95	1.75	1.49
33398	TL5104P	Tadiron	3	AA	3.6	1900	Barrel w/ leads (clock/mem.)	1.88"L x 0.56"Dia.	6.95	6.25	5.65
146114	TL2100S	Various	4	AA	3.6	1900	Barrel pressure (clock/mem.)	1.91"L x 0.56"Dia.	6.95	6.25	5.65
240303	ER14505	ReliaPro	9	AA	3.6	2400	Consumer tip	2.00"L x 0.55"Dia.	5.95	5.35	4.95
240258	CR123A	ReliaPro	1	A	3	1300	Photo/computer	1.36"L x 0.65"Dia.	2.75	2.49	2.25
263935	ER14505✪	ReliaPro	10	AA	3.6	2100	With solder tabs	2.00"L x 0.55"Dia.	5.95	5.35	4.95

✪ Blue Part No. = Limited Quantity Available

Fig. 14

Fig. 15

Fig. 16

NiCd – Rechargeable

Part No.	Product No.	Manufacturer	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
261657	AA-700-CT	ReliaPro	11	AA	1.2	700	Consumer tip	1.90"L x 0.55"Dia.	$1.69	$1.49	$1.35
244515	AA-1000-CT	ReliaPro	11	AA	1.2	1000	Consumer tip	1.90"L x 0.55"Dia.	2.75	2.49	2.25
126720	351FT	Various	12	N/A	3.6	60	2-lead (pin), barrel	0.72"L x 0.61"Dia.	4.49	3.95	3.55
119116	3/V60R	Dantona	12	N/A	3.6	60	3-lead (pin), barrel	0.72"L x 0.61"Dia.	3.35	2.95	2.65
101653	NA101-1	Various	13	N/A	3.6	60	2-lead (eyelet), barrel	0.72"L x 0.61"Dia.	3.95	3.55	3.19

Fig. 17

Fig. 18

Fig. 19

NiMH – Rechargeable

Part No.	Product No.	Manufacturer	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
231095	AAA-750NM	Dantona	16	AAA	1.2	600	Consumer tip	1.70"L x 0.40"Dia.	$3.45	$3.09	$2.79
244822	AA-1800-CT	ReliaPro	14	AA	1.2	1800	Consumer tip	1.90"L x 0.55"Dia.	3.55	3.19	2.89
231087	AA-1800NM	Dantona	17	AA	1.2	1600	Consumer tip	1.90"L x 1.30"Dia.	3.95	3.55	3.19
244620	9V-200	Bao Tong USA	15	9V	9	200	Snaps	1.94"L x 0.65"Dia.	9.75	8.75	7.95
231108	9V-8.4NM	Dantona	19	9V	9	150	Snaps	1.04"L x 0.61"Dia. x 1.80"H	10.95	9.95	8.95
231124	D-900NM	Dantona	18	D	1.2	9000	Consumer tip	2.30"L x 1.30"Dia.	14.95	13.49	11.95

Lead Acid Batteries

★Web Code: LBR

TYSONIC

- Use with UPS Backup Systems, Security Fire Alarms, Wheel Chairs, Scooters
- Sealed
- Rechargeable
- UL approved
- Two-year warranty

Lead Acid Chargers on next page

264014

264031

318924

264057

264065

264073

Part No.	Mfr. Part No.	Nominal Voltage	Amp-Hrs.	Cross Reference: Panasonic	Cross Reference: YUASA	Cross Reference: Eagle Picher	Cross Reference: Tempest	Terminal Size	Size (L" x W" x H")	Wt. (lbs.)	Pricing 1	Pricing 10
138692	K9120-REVC	6	1.3	Honeywell	—	—	—	Quick connect 0.187"	2.1 x 1.0 x 3.8	0.7	$3.49	$2.95
264014	TY-6-4.5	6	4.5	LCR6VP	NP4-6	CF16V4	TR-4-6	Quick connect 0.187"	2.8 x 1.9 x 4.0	1.9	11.95	10.75
317024	LA-TY-6-12	6	12.0	—	—	—	—	Quick connect 0.187"	5.9 x 1.9 x 3.7	4.6	19.95	17.95
318844	LA-TY-12-1.2	12	1.2	—	—	—	—	Quick connect 0.187"	3.8 x 1.7 x 2.1	1.3	14.95	13.45
264031	TY-12-2.3	12	2.3	LCR12V2.2P	NP2.3-12	CF12V1.5	TR2.3-12	Quick connect 0.187"	7.0 x 1.3 x 2.4	2.1	19.95	17.95
318924	LA-TY-12-3.2	12	3.2	—	—	—	—	Quick connect 0.187"	5.3 x 2.7 x 2.4	3.1	22.95	20.65
264057	TY-12-7.5	12	7.5	LCR12V7.2BP	NP712	CFM12V65	TR7.5-12	Quick connect 0.187"	5.9 x 2.6 x 3.7	5.6	22.95	20.65
264065	TY-12-12	12	12.0	PS12120	—	CFM12V12	TR12-12	Quick connect 0.187"	5.9 x 3.9 x 3.9	9.0	39.95	35.95
264073	TY-12-18	12	18.0	LCR12V17BP	NPG18-12	CF12V18	TR18-12	Quick connect 0.472"	7.1 x 3.0 x 6.6	13.3	47.95	42.95
318852	LA-TY-12-35	12	35.0	—	—	—	—	Nut & bolt	7.6 x 5.1 x 6.3	27.6	74.95	67.45

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

JAMECO ReliaPro

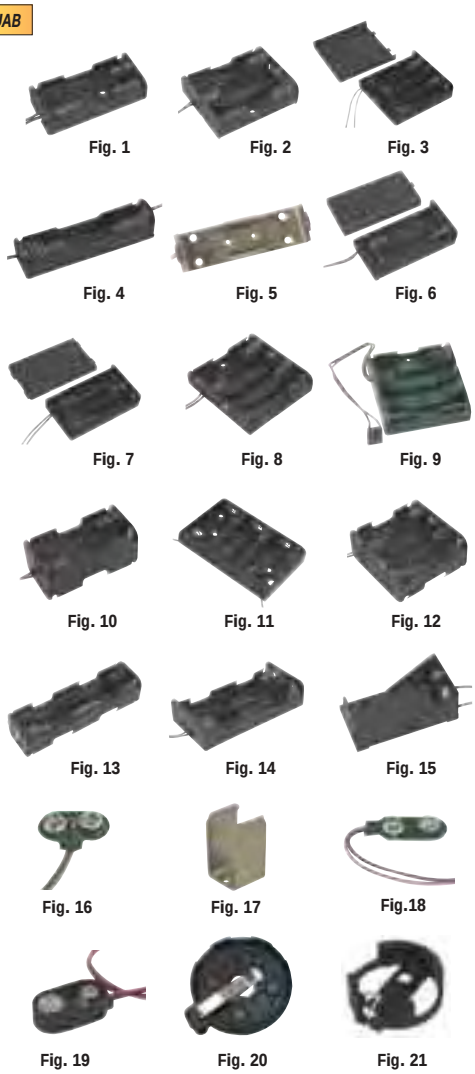
Battery Holders

★Web Code: UAB

Eliminate battery mounting problems in portable DC power applications and products. These holders are made from special materials that maintain retention properties longer than conventional holders. They can come with leads, or attached to battery holders. ✳ Order in multiples of 10

Part No.	Cross Ref. No.	*Mfr.	Fig.	No. of Cells	Connector	Sides	Features	1	10	100	500
216283	BH-421-1Aℛ	JRP	1	2-AAA	Wires	Single		$.59	$.55	$.49	$.39
216303	BH-431-1A	JRP	2	3-AAA	Wires	Single		.79	.69	.65	.59
216312	SBH-431-1AS	JRP	2	3-AAA	Wires	Single	w/ cover & switch	.95	.85	.75	.69
216339	SBH-441-ASℛ	JRP	3	4-AAA	Wires	Single	w/ cover & switch	1.45	1.29	1.19	.89
216072	BH-311-2Aℛ	JRP	4	1-AA	Wires	Single	Aluminum	1.05	.95	.85	.75
643954	139	KEY	5	1-AA	Tabs	Single		.75	.69	.59	.55
216081	BH-321-2Aℛ	JRP	1	2-AA	Wires	Single		.75	.69	.59	.55
216099	BH-321-4Aℛ	JRP	1	2-AA	Wires	Single	w/ mounting tabs	.75	.69	.59	.55
216102	SBH-321-2Aℛ	JRP	6	2-AA	Wires	Single	w/ cover, no switch	.75	.69	.59	.55
216120	SBH-321-1ASℛ	JRP	6	2-AA	Wires	Single	w/ cover & switch	.89	.79	.72	.65
216136	BH-331-Aℛ	JRP	2	3-AA	Wires	Single		.85	.77	.69	.62
216144	SBH-331-ASℛ	JRP	7	3-AA	Wires	Single	w/ cover & switch	.79	.69	.65	.59
216152	BH-341-2Aℛ	JRP	8	4-AA	Wires	Single		1.15	1.05	.95	.85
105858	BH-PC§ℛ	JRP	9	4-AA	Wires	Single	wires w/ connector	.95	.85	.79	.64
216179	BH-343-1Aℛ	JRP	10	4-AA	Wires	Dual		.79	.69	.65	.59
216187	SBH-341-1ASℛ	JRP	3	4-AA	Wires	Single	w/ cover & switch	1.05	.95	.85	.75
216216	BH-363-A	JRP	11	6-AA	Wires	Dual		.75	.69	.59	.55
216223	BH-364-A	JRP	11	6-AA	Wires	Single		.95	.85	.79	.65
216240	BH-383-A	JRP	12	8-AA	Wires	Dual		1.09	.99	.89	.69
216267	BH-383-Bℛ	JRP	12	8-AA	Snaps	Dual		1.19	1.09	.99	.79
216259	BH-382-Bℛ	JRP	13	8-AA	Snaps	Dual		1.35	1.19	1.09	.79
216292	SBH-421-AS	JRP	1	2-AAA	Wires	Single	w/ cover & switch	.65	.59	.55	.49
216363	BH-242-1Aℛ	JRP	14	4-C	Wires	Single		1.09	.99	.89	.69
216371	BH-111-1A	JRP	4	1-D	Wires	Single		.69	.65	.59	.49
216390	BH-121-1Aℛ	JRP	1	2-D	Wires	Single		1.19	1.09	.95	.79
216401	BH-142-Aℛ	JRP	14	4-D	Wires	Single		1.35	1.19	1.09	.89
216427	BH-9V-Aℛ	JRP	15	1-9V	Wires	Single		.75	.69	.59	.55
11280	A104-Rℛ	JRP	16	1-9V	Wires	Single	3"L, 26AWG, snaps	.39	.35	.29	.25
105794	GBH-1009-Rℛ	JRP	17	1-9V	Wires	Single	Metal holder	.35	.32	.29	.25
1949488	BAT-SNAP-4	✦	18	1-9V	Wires	Single	4"L, 26AWG, snaps	.29	.26	.23	.19
109154	BC6-Rℛ	JRP	18	1-9V	Wires	Single	6"L, 26AWG, snaps	.29	.26	.23	.19
216452	SBS-IR-1-Rℛ	JRP	19	1-9V	Wires	Single	6"L, 26AWG, snaps	.35	.32	.29	.25
101470	A102-Rℛ	JRP	18	1-9V	Wires	Single	10"L, 26AWG, snaps	.35	.32	.29	.25
236996	103	KEY	20	1-CR2032	PC mount	Coin cell		1.65	1.49	1.35	1.19
355434	17002-00603	JRP	21	1-CR2032	PC mount	Coin cell		.79	.69	.65	.59
38543	2S2325	JRP	20	1-CR2354 or 2- CR2325	PC mount	Coin cell		.79	.69	.65	.59

§ Battery holder used in many personal computers



JAMECO ReliaPro

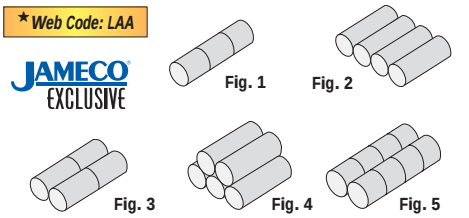
Rechargeable Battery Packs

★Web Code: LAA

Part No.	Fig.	Volt	Cell	Size (L x Dia.)	Type	mAh	Connection	1	10	25
298821	1	3.6	D Single	2.36" x 1.26" (59.9mm x 32.0mm)	NiCd	5000	Solder tab	$19.95	$17.95	—
298652	2	4.8	SC Single	2.36" x 1.26" (59.9mm x 32.0mm)	NiCd	2200	Solder tab	15.95	14.49	12.95
299621	3	4.8	D Single	2.36" x 1.26" (59.9mm x 32.0mm)	NiCd	5000	Lead wire	34.95	31.49	—
299680	4	6.0	D Single	2.36" x 1.26" (59.9mm x 32.0mm)	NiCd	5000	Lead wire	46.95	42.25	37.95
299495	5	9.6	SC Single✪	1.65" x 0.86" (41.1mm x 21.8mm)	NiCd	2200	Lead wire	24.95	22.45	—

✪ Blue Part No. = Limited Quantity Available

JAMECO EXCLUSIVE



MW

300, 360 & 1000-Watt Single Output Lead Acid Battery Chargers

★Web Code: ABC

- Input: 115VAC/230VAC @ 47-64Hz (switch-selectable)
- **1952409/1952417/1954332/1954341/1954359**: with built-in passive PFC function
- Overload, short-circuit, reverse polarity, over voltage, over temperature protection
- **1952409**: Cooling by free-air convection; **1952417/1954308/1954316/1954324**: Fan on/off control (depending on charging current) • Charger for lead acid batteries
- **1954316/1954324**: Size: 10.0"L x 5.3"W x 1.9"H, Weight: 3.3 lbs.
- **1952409/1952417/1954308**: Size: 9.3"L x 5.3"W x 1.9"H, Weight: 3.3 lbs.
- **1954332/1954341/1954359**: Size: 11.8"L x 7.2"W x 2.8"H, Weight: 7.7 lbs.

1952409

Part No.	Mfr. Part No.	Watts	Boost Charge Voltage	Float Charge Voltage	Recommended Battery Capacity (AMP Hours)	Pricing 1	Pricing 5
1952409	PB-300P-12ℛ	300	14.4	13.6	80-200	$94.95	$84.95
1952417	PB-360P-12ℛ	360	14.4	16.6	80-200	94.95	84.95
1954308	PB-360N-12ℛ	360	14.4	13.6	80-200	94.95	84.95
1954316	PB-360N-24ℛ	360	28.8	27.2	40-125	94.95	84.95
1954324	PB-360N-48ℛ	360	57.6	54.4	20-65	94.95	84.95
1954332	PB-1000-12ℛ	1000	14.4	13.8	200-600	349.95	314.95
1954341	PB-1000-24ℛ	1000	28.8	27.6	120-350	349.95	314.95
1954359	PB-1000-48ℛ	1000	57.6	55.2	60-175	349.95	314.95

* JRP = Jameco ReliaPro | KEY = Keystone | ✦ Manufacturer Varies

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Energizer®, Duracell® & Rayovac® Alkaline Batteries

198731 198791 150965 215845 198707 198715

★Web Code: NBF

Energizer® and the Energizer Bunny® are registered trademarks of the Eveready Battery Company, Inc.

Alkaline

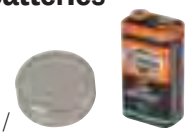
Part No.	Size	1	10
198731	9-volt Energizer®	$2.05	$1.85
198791	9-volt Duracell®	2.95	2.65
150965	4.5V @ 600mAH Rayovac®	9.95	8.95
215845	3.6V D-cell Energizer®	1.15	1.05

Part No.	Size	Min	1	40	100
198707	AA Energizer®†	4	$.79	$.69	$.65
115432	AAA Duracell®††	2	.69	.59	.49
198715	AAA Energizer®†	4	.69	.59	.55

†Sold in multiples of 4 ††Sold in multiples of 2

Silver Oxide and Zinc Chloride Batteries

Applications: personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers/descramblers and remotes.



140783 151095

Part No.	Cross Ref.	Description	1	10
140783	357	Silver oxide, button	$1.55	$1.39
151095	GF6F22	Zinc chloride, 9V	1.35	1.19

Universal NiCd/NiMH Charger

- Recharge batteries individually or as a group
- Fast charging in the specified period with an automatic switch for trickle charge

★Web Code: PBF

Part No.	Mfr. Part No.	Compatible Battery	1	10	25
231132	CHG-6P	AAA, AA, C, D, 9V	$19.95	$17.95	$15.95

Charger for Two 9V NiMH & NiCD Rechargeable Batteries

- 120VAC 60Hz 2-watt wall mount
- LED charge indicator per battery
- Trickle charges overnight at 16mA per battery
- 2 each rechargeable 9V NiHM batteries included

Part No.	Mfr. Part No.	1	10	25
2081684	1000-077	$9.95	$8.95	$7.95

Automatic Lead Acid Battery Chargers

- Safely charge and maintain lead acid batteries without supervision
- Safe for gel cell batteries
- Extends battery life
- Multi-stage charging circuit prevents batteries from overcharging
- High frequency MOSFET switching design
- Input voltage: 98 to 132VAC @ 50/60Hz
- Short-circuit, overload, and reverse polarity protection
- Analog amp meter
- Output banks: 3

★Web Code: ABC

673416

Part No.	Mfr. Part No.	Output Volt.	Size (L"xW"xH")	Wt. (lbs.)	1	10
673416	SEC-1215A	13.5VDC@15A	8.5 x 8.4 x 3.3	4.8	$145.95	$131.95
673432	SEC-2415A	27.0VDC@15A	10.8 x 8.4 x 3.3	6.4	239.95	215.95

Compact Battery Tester

Simply lift the swivel arm of this battery between the contacts and it will provide you a voltage measurement of your batteries. Tests AAA, AA, C, D, 9V and button cell batteries.

Part No.	Mfr. Part No.	1	10
239556	BATTEST	$3.75	$3.39

Our enhanced website offers thousands of datasheets and photos to assist you in finding the products you need.

Panel Meters

0.6" High 3½ & 4½-Digit LCD Digital Panel Meters

108388 175951 146835 123140

- Input ranges: 200mV, 20V, 200V, 500V
- Accuracy: ±0.5%
- Supply voltage: 8-12VDC (recommend 9V battery P/N 151095, above right)
- Automatic polarity indication
- Input impedance: >100MΩ
- Size: 2.7"W x 1.7"H

★Web Code: WBU

Part No.	Cross Ref. No.	Description	1	10	25
108388	PM-428	3½-digit (no bezel, snap mount)	$10.95	$9.95	$8.95
175951	PM-128	3½-digit (bezel, screw mount)	12.95	11.65	10.49
146835	PM-188BL	3½-digit (with backlight display)	14.95	13.45	11.95
123140	PM-328	4½-digit (bezel, screw mount)	29.95	26.95	24.25

Analog Panel Meters

- Includes mounting hardware
- **316507:** Includes current shunt

★Web Code: YBQ

Part No.	Mfr. P/N	Range	Size (W"xH"xD")	1	10
316603	AVM6015	0 – 15VDC	2.4 x 1.8 x 1.3	$9.95	$8.95
316671	AVM7015	0 – 15VDC	2.8 x 2.4 x 1.4	9.95	8.95
316638	AVM6030	0 – 30VDC	2.4 x 1.8 x 1.3	9.95	8.95
316654	AVM7030	0 – 30VDC	2.8 x 2.4 x 1.4	9.95	8.95
316718	AVM60150	0 – 150VAC	2.4 x 1.8 x 1.3	9.95	8.95
316785	AVM60300	0 – 300VAC	2.4 x 1.8 x 1.3	9.95	8.95
315301	AIM60005	0 – 50µA	2.4 x 1.8 x 1.3	9.95	8.95
316523	AIM6050	0 – 50mA	2.4 x 1.8 x 1.3	9.95	8.95
316486	AIM60100	0 – 100mA	2.4 x 1.8 x 1.3	9.95	8.95
316558	AIM60500	0 – 500mA	2.4 x 1.8 x 1.3	9.95	8.95
316566	AIM60500	0 – 5A	2.4 x 1.8 x 1.3	9.95	8.95
316582	AIM705000	0 – 5A	2.8 x 2.4 x 1.4	9.95	8.95
316494	AIM6010A	0 – 10A	2.4 x 1.8 x 1.3	9.95	8.95
316507	AIM6030A	0 – 30A	2.4 x 1.8 x 1.3	12.95	11.65

316603

316523

EM Series Panel Meters

- Splashproof
- Mount by simply drilling a single hole (7/32") and insert the threaded section of the panel meter
- Module size: 1.71"L x 0.84"W

2095040 2095058 2095074 2095082

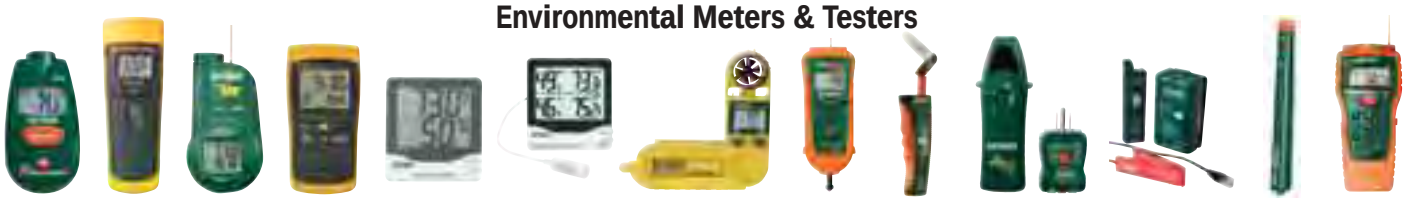
Part No.	Mfr. Part No.	Description	Digit Ht.	Supply Volt.	Measrmt. Range	1	10	25
2095040	EMV 1200	3-digit, signal pwrd, LCD voltmeter	.50"	3-50VDC	4-25VDC	$33.95	$30.95	$27.95
2095058	EMT 1900	3½-digit, LCD thermometer	.50"	4-28VDC	14-122˚F	33.95	30.95	27.95
2095074	EMC 1500	5-digit, LCD hour meter	.35"	5-27VDC	99999 hours	33.95	30.95	27.95
2095082	EMA 1710	Analog-style LCD panel meter	—	5-12VDC	0-1VDC	33.95	30.95	27.95

Panel Meter Mounting (Front)

Panel Meter Mounting (Back)

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Environmental Meters & Testers



1537299 164321 219361 214480 198045 1939634 218085 1939731 2094266 1585899 2094282 1581169 2094291

131764 1581142 1939642 645642 667526 2094274 1537272 115895 1928468 198002 681504 26729 145710 615136 14285 105196

F of V: Field of View (Distance to target)

★Web Code: EMT

Part No.	Manufacturer	Mfr. Part No.	Description	1	5
1537299	Extech	IR100	Thermometer, Mini IR, measures temp.(-31 to 446F) F of V 1:1	$39.95	$36.95
164321	Fluke	FLUKE-65	Thermometer, Non-Contact Infrared w/ Laser Pointer, measures temp.(-40˚ to 932˚F) F of V 8:1	239.95	224.95
219361	Extech	IR-201	Thermometer, Pocket IR w/ Laser Pointer, measures temp.(-58˚ to 518˚F) F of V 6:1	59.95	56.95
214480	Fluke	FLUKE-52-2	Thermometer, measures temp.(-328˚ to 2501˚F)	269.95	249.95
198045	Extech	445703	Thermometer, Digital Hygro & Humidity Meter w/ Indoor Readings, measures temp.(14˚ to 140˚F) & RH (10-99%),	39.95	37.95
1939634	Extech	445713	Thermometer, Digital Hygro/Humidity Meter w/ Indoor & Outdoor Readings & Remote Sensor on 35" cable, temp.(14˚ to 140˚F) & RH (10-99%)	44.95	39.95
218085	Extech	45118	Thermo-Anemometer, Mini, measures temp.(0˚ to 122˚F) & air velocity (1.1 to 62.5mph)	99.95	89.95
1939731	Extech	RPM10	Thermometer, IR & Tachometer, measures temp.(-4˚ to 600˚F) & RPM: photo tach.(10 to 99,999 rpm), contact tach.(.5 to 19,999 rpm) & surface speed.(.2 to 6560 feet/min or .05 to 1999.9 miles/min)	289.95	269.95
2094266	Extech	DA50	AC current detector, telescoping 3', non contact, 200-1000A @ 50/60Hz, for shielded and hidden wires	39.95	37.95
1585899	Extech	CB100	AC Circuit Breaker Finder & Receptacle Tester, locates 110 to 125 volt AC circuits & fuses and has push button GFCI test	29.95	27.95
2094282	Extech	RT30	AC Circuit Identifier, wireless remote, confirms correct circuit is open mid-wire, w/o having to connect directly to the wires	129.95	119.95
1581169	Extech	FG100	Combustible Gas Leak Meter, detects: LNG, LPG from 500 to 6500 ppm	59.95	54.95
2094291	Extech	DT100	Distance meter, ultrasonic, laser pointer IDs targets from 20" to 50', calculates: sum of measurements, area and volume	39.95	36.95
131764	Various	LX-102	Light Meter, Digital, ranges: LUX 0 to 50,000, footcandle 0 to 5,000	109.95	89.95
1581142	Extech	RH300	Psychrometer, Digital, measures: %RH (10 to 90%), temp.(int.-4˚ to 122˚F, ext.-˚4 to 158˚F) dew point (-90.4˚ to 122˚F), & wet bulb (-6.9˚ to 122˚F)	79.95	74.95
1939642	Extech	480836	RF EMF Strength Meter, measures frequency (50MHz to 3.5GHz)	229.95	209.95
645642	Extech	407730✪	Sound Level Meter, Digital, decibel range (40dB to 130dB)	89.95	79.95
667526	Fluke	LVD1	Voltage Detector & Flashlight, detects voltages from 40VAC to 300VAC, 1-15" away	29.95	26.95
2094274	Extech	DV50	Voltage Detector, telescoping 3', non contact, 5-1000VAC @ 50/60Hz, for shielded and hidden wires	29.95	27.95
1537272	Extech	CT20	Remote & Local Continuity Tester, drives a 20mA DC current pulse through wires & cables for test	29.95	26.95
115895	BenchPro	251450	UTP Ethernet Cable Tester, Tests: open circuit, shorts, & miswire, connector type: RJ45 8P8C, tests: AT&T Ethernet, 10Base-T, 258A, & 356A cables	29.95	26.95
1928468	Vastech	KT45	Cable Tester for Network & CATV, auto test for continuity, miswires, shorts, open circuits, & reversals	39.95	35.95
145710	BenchPro	145710	Modular Cable Test, tests 10Base-T, 10Base-2, RJ45/RJ11, 356A, TIA568A/568B, & Token Ring cables, tests: continuity, miswiring, open circuits, shorts, grounding & pin configurations, includes 4 adapters	69.95	62.95
198002	Extech	40180	Tone Generator & Amplifier Probe, tests: wire trace, continuity, clear/busy/ringing line, & tip/ring ID	79.95	72.95
615136	GC Elec	45-5767	LANtest Network & Modular Cable Test, tests 10Base-T, 10Base-2, RJ45/RJ11, 356A, TIA568A/568B, & Token Ring cables	99.95	—
681504	BK Prec	1253	HDTV Portable Pattern Generator for: Plasma, LCD, TFT, CRT, DLP, GLV, & OLED digital systems	399.95	369.95
14285	BenchPro	RS232	RS232 line tester, identifies simple interface problems on lines 2-6, 8, 11, 19, 20	7.95	6.95
26729	BenchPro	31D3	RS232 mini line tester, tests any RS232 (DB25) interface 7 bi-color LEDs indicate status	7.95	6.95
105196	Various	TRIPORT℞	RS232 signal adapter/splitter, metal connectors DB25 F/m & DB9F gold plate DC contacts	8.95	7.95

✪ Blue Part No. = Limited Quantity Available

Passive Component R/C SMD Tweezer Meter

One hand operation for fast, precise identification and measure of surface mount components.

EXTECH INSTRUMENTS

- 4000 count LCD display • Over range & low battery indicators
- Measures resistance, capacitance and diode test
- Relative mode for zero or user applied reference
- **Capacitance range:** 4nF, 40nF, 400nF, 4µF, 40µF, 200µF
- **Resistance range:** 400Ω, 4kΩ, 400kΩ, 4MΩ, 40MΩ

Part No.	Mfr. Part No.	1	5
1939685	RC100	$59.95	$54.95

★Thermometers — Enter Web Code CEL

★Cable Testers — Enter Web Code TBF

EXTECH Passive-Component Digital LCR Meter

- 4½-digit backlit LCD display • Test frequencies of 120Hz and 1kHz
- Selectable parallel or series equivalent circuit
- **Res. ranges:** 20Ω to 10MΩ • **Cap. ranges:** 2000pF to 10mF
- **Induc. ranges:** 2000µH to 10,000H • Quality (Q) reading: 0 to 9999
- Set HI/LO limits, absolute or percentage
- Bidirectional RS-232 port with optional software
- Max./Min./Avg. recording with auto power off
- Accuracy of 0.7% for L & C, 0.5% for R
- Dissipation Factor (D) reading: 0 to 0.9999 • Weight: 0.8 lbs.
- Measures L, C & R with secondary parameter Q, D or R; both are displayed

Includes: Test leads, alligator clips, 9V battery & holster

Part No.	Description	Size (W x D x H)	1	5
198678	LCR Meter	3.6" x 2.1" x 7.6"	$199.95	$189.95
189238	9VDC adapter for 198678	3.6" x 2.1" x 7.6"	5.95	5.35

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

3 LEVELS OF SAVINGS: NAME BRANDS | HOUSE BRANDS | FACTORY OVERRUN

RoHS Compliant Product + RoHS Also Available — DETAILS ON PAGE 190

Clamp, Analog & Digital Multimeters

See www.Jameco.com for complete specifications

38073
P/N 1536843
$16.95

DT830B
P/N 1928476
$8.95

MN35
P/N 645618
$19.95

381676
P/N 1537184
$39.95

DM7
P/N 214261
$24.95

M300
P/N 220812
$10.95

DVM850BL
P/N 355207
$17.95

BP-1562
P/N 318781
$10.95

MAS830L
P/N 220759
$14.95

MAS838
P/N 220741
$19.95

BP-1415
P/N 318764
$59.95

EX330
P/N 645626
$53.95

EX430
P/N 1581177
$89.95

EX505
P/N 2094127
$109.95

115
P/N 1537328
$159.95

*Web Code: HBK

Part No.	Manufacturer Part No.	Type	No. of Functions	Display Count	Resolution (max DC)	DC Voltage Ranges (V)	AC Voltage Ranges (V)	DC Current Ranges (A)	AC Current Ranges (A)	Resistance Ranges (Ω)	Capacitance Ranges (F)		Frequency Ranges (Hz)	Temperature Range °C	Temperature Range °F	Diode Test	Battery Test	Continuity Test	Transistor hFE Test	Autorange	Analog Bargraph	RS-232 PC Interface	True RMS	Size (H"xW"xD")	Jameco Part No.	Pricing 1	Pricing 5
					Basic Measurement Functions											Test Functions				Special Functions							
1536843	Extech 38073	AMM	6	1	—	2.5V - 300V	10V - 300V	0.5A - 250mA	—	10KΩ - 1MΩ	—		—	—	—		✔							3.5 x 6.1 x 1.9	1536843	$16.95	$15.95
1928476	Vastech DT830B	DMM	4	1999	—	200mV - 1000V	200V - 750V	200µA - 10A	—	200Ω - 2MΩ	—		—	—	—	✔			✔					5.0 x 2.7 x 1.0	1928476	8.95	7.95
645618	Extech MN35	DMM	5	2000	100µV	200mV - 600V	200mV - 600mV	200mA - 10A	—	200Ω - 20MΩ	—		—	-20 to 750	-200 to 1400	✔		✔						5.4 x 25.8 x 1.5	645618	19.95	17.95
1537184	Extech 381676	DMM	5	2000	100µV	200mV - 600V	200m - 600V	—	—	200Ω - 20MΩ	—		—	—	—	✔		✔		✔				8.2 x 1.5 x 1.1	1537184	39.95	36.95
214261	Wavetech DM7	DMM	6	1999	1mV	2V - 600V	200V - 600V	200mA	—	2Ω - 2MΩ	—	⟷	—	—	—	✔	✔							5.5 x 3.1 x 1.5	214261	24.95	22.95
220812	Mastech M300	DMM	6	2000	1mV	2V - 500V	200V - 500V	200mA	—	2kΩ - 2MΩ	—		—	—	—	✔		✔						4.7 x 2.7 x 0.8	220812	10.95	9.95
355207	Velleman DVM850BL	DMM	6	2000	100µV	200mV - 100V	200V - 600V	200µA - 10A	—	200Ω - 2MΩ	—		—	—	—	✔		✔	✔					5.4 x 2.7 x 1.2	355207	17.95	15.95
318781	BenchPro BP-1562	DMM	6	2000	100µV	200mV - 600V	200V - 750V	200µA - 10A	—	200Ω - 2MΩ	—		—	—	—	✔			✔					5.4 x 2.7 x 1.2	318781	10.95	9.95
220759	Mastech MAS830L	DMM	7	2000	100µV	200mV - 600V	200V - 600V	200µA - 10A	—	200Ω - 2MΩ	—		—	—	—	✔		✔	✔					5.7 x 3.0 x 1.4	220759	14.95	13.95
220741	Mastech MAS838	DMM	8	2000	100µV	200mV - 600V	200V - 600V	2mA - 10A	—	200Ω - 2MΩ	—		—	-20 to 1000	—	✔		✔	✔					5.7 x 3.0 x 1.4	220741	19.95	17.95
318764	BenchPro BP-1415	DMM	8	20,000	10µV	200mV - 1000V	2V - 700V	2mA - 20A	2mA - 20A	200Ω - 200MΩ	2000pF - 20µF		20k	—	—	✔		✔	✔					7.4 x 3.6 x 1.2	318764	59.95	54.95
645626	Extech EX330*	DMM	9	4000	100µV	.1mV - 1000V	.1mV - 750V	.1µA - 10A	.1µA - 10A	.1Ω - 40MΩ	.001nF - 200µF	⟷	.001 - 10M	-50 to 1000	-58 to 1832	✔		✔		✔				5.7 x 2.9 x 1.6	645626	53.95	49.95
1581177	Extech EX430	DMM	9	4000	100µV	.1mV - 1000V	.1mV - 750V	.1µA - 20A	.1µA - 20A	.1Ω - 40MΩ	.1nF - 100µF		.001 - 10	-20 to 750	-4 to 1382	✔		✔		✔			✔	7.4 x 3.2 x 2.0	1581177	89.95	79.95
2094127	Extech EX505	DMM	9	4000	10µV	400mV - 1000V	400mV - 1000V	400µA - 10A	400µA - 10A	400 - 40M	40nF - 100µF		5.999 - 9.99M	-20 to 750	-4 to 1382	✔		✔		✔			✔	7.2 x 3.2 x 2.2	2094127	109.95	105.95
1537328	Fluke 115†	DMM	9	6000	100µV	600mV - 600V	600mV - 600V	6A - 20A	6A - 20A	600Ω - 40MΩ	1000nF - 9999µF		99.99 - 50k	—	—	✔		✔		✔	✔		✔	10.9 x 6.3 x 2.2	1537328	154.95	149.95
1537336	Fluke 117*†	DMM	9	6000	100µV	600mV - 600V	600mV - 600V	6A - 20A	6A - 20A	600Ω - 40MΩ	1000nF - 9999µF		99.99 - 50k	—	—	✔		✔		✔	✔		✔	10.9 x 6.3 x 2.2	1537336	199.95	189.95
1939651	Extech EX530	DMM	9	40,000	100µV	400mV - 1000V	400mV - 1000V	400mA - 10A	400mA - 10A	400Ω - 40MΩ	40nF - 40µF		40 - 400	-45 to 750	-50 to 1382	✔		✔		✔			✔	7.4 x 3.2 x 2.0	1939651	209.95	199.95
692502	Extech DM110	DMM	10	4000	100µV	0 - 500V	0 - 500V	0A - .40	0A - .40A	400Ω - 40MΩ	0 - 200µF		9 - 10M	—	—	✔		✔						4.3 x 2.2 x 0.5	692502	34.95	30.95
1581214	Protek 6800	DMM	10	80,000	1µV	8V - 1000V	80mV - 750V	80mA - 10A	80mA - 10A	80Ω - 80MΩ	1nF - 100µF		1K - 8M	-50 to 1372	-58 to 2502	✔		✔			✔	✔	✔	7.5 x 3.5 x 1.5	1581214	199.95	189.95
220775	Mastech MY64	DMM	11	2000	100µV	200mV - 1000V	200mV - 700V	2mA - 10A	2mA - 10A	200Ω - 200MΩ	2nF - 20µF	⟷	2k - 20k	-20 to 1000	—	✔		✔	✔					7.4 x 3.6 x 1.3	220775	39.95	35.95
645571	Velleman DVM890F	DMM	11	2000	100µV	200mV - 1000V	2V - 700V	2mA - 20A	20mA - 20A	200Ω - 200MΩ	2000pF - 20µF		—	—	-58 to 1832	✔		✔	✔					6.7 x 3.5 x 1.5	645571	44.95	39.95
211650	Extech MN26T	DMM	11	4000	100µV	400mV - 600V	400mV - 600V	400µA - 10A	400µA - 10A	400Ω - 40MΩ	4nF - 200µF		10 - 10M	0 to 760	0 to 1400	✔		✔		✔				4.8 x 2.4 x 1.6	211650	39.95	37.95
117373	BenchPro BP-1949	DMM	11	4000	100µV	400mV - 400V	4V - 400V	400µA - 10A	400µA - 10A	400Ω - 4MΩ	50nF - 100µF		5 - 50k	-20 to 1000	-4 to 1532	✔		✔		✔		✔		7.7 x 3.6 x 1.6	117373	79.95	69.95
137462	MS8226T	DMM	11	4000	100µV	400mV - 400V	4V - 400V	400µA - 10A	400µA - 10A	400Ω - 4MΩ	50nF - 100µF		5 - 50k	-20 to 1000	—	✔		✔		✔		✔	✔	7.7 x 3.6 x 1.6	137462	99.95	89.95
220767	Mastech MY68	DMM	12	3260	100µV	326mV - 1000V	3.26V- 700V	326µA - 10A	326µA - 10A	326Ω - 32.6MΩ	326nF - 32.6µF		32.6k - 150k	—	—	✔		✔	✔	✔	✔			7.4 x 3.6 x 1.3	220767	44.95	39.95
192655	Fluke 175	DMM	12	6000	100µV	600mV - 1000V	600mV - 1000V	60mA - 10A	60mA - 10A	600Ω - 50MΩ	1000nF - 9999µF		99.99 - 99.99k	—	—	✔		✔		✔	✔		✔	7.3 x 3.5 x 1.7	192655	249.95	239.95
185535	Fluke 179†	DMM	13	6000	100µV	600mV - 1000V	600mV - 1000V	60mA - 10A	60mA - 10A	600Ω - 50MΩ	1000nF - 9999µF		99.99 - 99.99k	-40 to 400	-40 to 752	✔		✔		✔	✔		✔	7.3 x 3.5 x 1.7	185535	279.95	269.95
373991	Extech MA200	Clamp	7	2000	100µV	200mV - 600V	200mV - 600mV	—	2A - 400A	200Ω - 20MΩ	—		—	—	—			✔			✔			7.9 x 2.0 x 1.4	373991	49.95	45.95
1954682	BenchPro MS2108✪	Clamp	9	6599	100µV	660mV - 600V	660mV - 600V	66A - 600A	66A - 600A	660Ω - 66MΩ	6.6µF - 66mF		660 - >10K	—	—	✔		✔		✔			✔	8.2 x 3.1 x 1.4	1954682	99.95	89.95
2094119	Extech EX613	Clamp	9	40,000	10µV	0 - 600V	0 - 600V	400A	400A	.01Ω - 40M	10pF - 40,000µF		40MHz max.	-50 to 1000	-58 to 1832					✔			✔	9.0 x 3.1 x 1.9	2094119	179.95	169.95
374070	Extech MA220	Clamp	10	4000	100µV	400mV - 600V	400mV - 600V	40A - 400A	40A - 400A	400Ω - 40MΩ	40nF - 100mF		5 - 150k	-50 to 1000	-58 to 1830	✔		✔						7.9 x 2.0 x 1.4	374070	99.95	89.95
1585881	Extech EX830	Clamp	11	4000	100µV	0.1mV - 600V	0.1mV - 600V	100mA - 1000A	100mA - 1000A	.01Ω - 40MΩ	0.001nF - 40000µF		0.001 - 4k	-50 to 270	-58 to 518	✔		✔					✔	10.6 x 4.3 x 2.0	1585881	209.95	199.95

* With non-contact voltage detector (100-600VAC range) † With backlight ✪ Blue Part No. = Limited Quantity Available

*Web Code: HBK

117
P/N 1537336
$199.95

EX530
P/N 1939651
$209.95

DM110
P/N 692502
$34.95

6800
P/N 1581214
$199.95

MY64
P/N 220775
$39.95

DVM890F
P/N 645571
$44.95

MN26T
P/N 211650
$39.95

BP-1949
P/N 117373
$79.95

BP-1737
P/N 137462
$99.95

MY68
P/N 220767
$44.95

175
P/N 192655
$249.95

179
P/N 185535
$279.95

MA200
P/N 373991
$49.95

MS2108
P/N 1954682
$99.95

EX613
P/N 2094119
$179.95

MA220
P/N 374070
$99.95

EX830
P/N 1585881
$209.95

RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 190.*

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Test/Tools

Test/Tools

3 LEVELS OF SAVINGS: NAME BRANDS | HOUSE BRANDS | FACTORY OVERRUN

50mV/50A Current Shunt

- Current range: 0 to 50A
- Accuracy: 0.8% ±0.2mV
- Output ratio: 1mV/1A
- Max. current: 100A

Part No.	Product No.	1	5	25
162309	ST-50	$25.95	$23.95	$21.95

Camera Detector

The easy to use P3 camera detector fits in the palm of your hands. Discreet sweeps of the home, office, or hotel room can be done quickly and efficiently. When a camera is discovered, an LED flickers and an audible alarm sounds

NEW MARKED IN PINK

- Auto sensitivity tuner
- Detects frequencies from 50Hz to 3GHz
- Multi-channel scanning • Audible LED alarm
- Power requirements: 2 CR2032 batteries
- Size: 3.25"L x 0.75"W x 0.25" thick

Part No.	Mfr. Part No.	1	10
2096157	P7030	$29.95	$26.95

ZapChecker (RF Field Strength Meter)

Detect and measure radio signals on HF, VHF, UHF or Microwave frequencies. Ideal for discovering wireless bugs and covert cameras. The ZAPCHECKER also works well to help install wireless security systems and wireless computer networks by checking where the strongest signal is. ZC-300 (667817) also includes a long periodic antenna for an extra boost and a BNC connector if you choose to use other antennas.

- Sensitivity control: 20dB, (10:1) signal control range
- Detection modes: LINEAR – for far-field detection of weakest signals: 12dB • Sensitivity: 45µV
- Dynamic range: LOG – for near-field localization without overloading: 60dB
- Dynamic range MID – for intermediate detection and localization: 25dB dynamic range
- Silent vibrator or analog meter communicate results
- LED display indicators • Size: 2.1"W x 1.3"D x 5.0"H

Part No.	Mfr. Part No.	Frequency	1	5
667817	ZC-300	1MHz-8GHz	$439.95	$399.95

EXTECH Humidity/Temperature Data Logger

★Web Code: LOG

- Simultaneous numerical and graphical LCD display of humidity and temperature readings, plus time and date
- Measures humidity (10 to 95% RH), temperature (-20˚F to 140˚F) plus included LabView™ based software that calculates and graphs dew point, wet bulb and GPP (grains per pound)
- Internal memory records up to 49,000 data points & can be transferred to a PC via RS-232 serial port

Includes: Built-in stand, detachable probe with 1m (3ft.) cable, RS-232 cable, USB adapter, LabView based software, AC adapter, and 3 AA batteries

Part No.	Mfr. Part No.	1	5
2075866	RH520A℞	$249.95	$224.95

LASCAR USB Data Loggers

★Web Code: LOG

2076367

2075989

- Measures and stores up to 32,000 readings
- User programmable alarm thresholds
- Data can be graphed, printed, and exported to other applications
- High & low alarms, start date/start time
- Temp. range: -31˚F to 176˚F
- Windows® 98/2000/XP/Vista compatible software included

2076367: Temp., humidity & dew point data logger
- 2½-digit LCD display
- Data logger set-ups: logger name, ˚F/˚C, logging rate (10s to 12 hrs) • Pushbutton to start
- Relative humidity range: 0 to 100% RH

2075989: Temperature data logger
- Data logger set-ups: logger name, ˚F/˚C, logging rate (10s to 12 hrs)

Part No.	Mfr. Part No.	1	5
2076367	EL-USB-2-LCD℞	$99.95	$89.95
2075989	EL-USB-1℞	59.95	54.95

EXTECH Home Inspector Kit

Designed to aid in identification of moisture, HVAC, electrical & hot water system issues.

Save $40

MO280 Pinless Moisture Meter
- Displays % moisture from 0 to 9%
- Measurement depth to 0.75" (22mm) below the surface

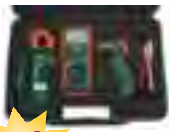
ET10 GFCI Receptacle Tester
- Tests for faulty wiring in 3-wire receptacles & GFCI circuits
- Detects 5 wiring faults
- Lights indicate circuit condition

42500 Mini IR Thermometer w/ Laser Pointer
- Measures from -4˚F to 500˚F (-20˚C to 260˚C)

39240 Waterproof Stem Thermometer
- Ideal for testing hot water heaters
- Measures from -40˚F to 392˚F (-40˚C to 200˚C)
- 2.75" (70mm) stainless steel stem

Part No.	Mfr. Part No.	1	5
1939669	MO280-KH	$199.95	$169.95

Industrial Troubleshooting Kit



Save $40

Provides all the electrical testing needs for installation and repair. This kit includes EX430 True RMS Multimeter with 11 functions, 42510 Mini IR thermometer and MA200 400A AC clamp meter.

- Size: 9.5"W x 2.8"D x 6.8"H

Includes: Test leads, K-type thermocouple bead probe, Type K to banana input adapter, multimeter hanging straps & batteries

Part No.	Mfr. Part No.	1	5
1939749	TK-430-IR ✪	$199.95	$179.95

✪ Blue Part No. = Limited Quantity Available

Vellleman 3-in-1 Lab Center

Digital Multimeter:
- 3-1/2 backlit LCD
- Automatic polarity indication
- **DC voltage ranges:** 200mV to 600V
- **AC voltage ranges:** 200V to 600V
- **DC current ranges:** 200µA to 10A
- **Resistance ranges:** 200Ω to 2MΩ
- Diode, transistor and continuity tester

Regulated Power Supply:
- Selectable output volts: 3 to 4.5; 6 to 7.5; 9 to 12VDC
- Output current: 1.5A (2A peak) • On/off switch

Soldering Station:
- 48W ceramic heating element with temp. sensor
- 24V soldering iron • Temp. range: 150˚ to 450˚C

Includes: Test leads, user manual, sponge, spare bit for soldering iron and 9V battery for DMM

Part No.	Mfr. Part No.	1	5
695025	LAB1U	$159.95	$139.95

Vellleman 3-in-1 Multimeter and Cable/Line Tester

- 2000 count LCD display (15mm display size) w/ automatic polarity indication and white backlight
- Continuity and diode test
- **DC voltage ranges:** 0.2 to 1000V
- **AC voltage ranges:** 0.2 to 700V
- **DC current ranges:** 200µA to 10A
- **AC current ranges:** 200µA to 10A
- Size: 3.3"W x 1.1"D x 7.3"H • Weight: 1.4 lbs.

Includes: 9V battery, test leads, remote box for cable testing, and users manual

Part No.	Mfr. Part No.	1	5
1955984	DVM1000	$69.95	$64.95

Kill A Watt™ Energy Consumption Meters

Measures how much energy appliances consume. Simply connect appliances to the Kill A Watt™, and it will assess how efficient they really are. Counts consumption by the Kilowatt-hour, same as your local utility. You can calculate your electrical expenses by the day, week, month, even an entire year. Also check the quality of your power by monitoring voltage, line frequency and power factor.

- Forecast your costs • Max. power: 1875VA
- Displays volts, amps, watts and Hz • 0.2% accuracy
- Max. current: 15A • Large LCD display
- Operating voltage: 115VAC

2075954: Displays usage in dollars

Part No.	Mfr. Part No.	Measures	1	5
2075946	P4400℞	8	$22.49	$19.95
2075954	P4460EZ℞	10	36.95	33.95

★Digital Multimeters — Enter Web Code HBK

JAMECO ValuePro Electronic Starter Kit

NEW MARKED IN PINK

SAVE $35

This kit includes everything you need to get started with electronics.

Includes: 8 function 20K count DMM, 6.5" x 3.125" breadboard, wire cutter, stripper, 11-pc. precision screwdriver set, soldering iron, solder, jumper wire kit, hook-up wire, electrical tape, assorted capacitors and resistors

Part No.	Description	1	5
2099171	Electronic starter kit℞	$99.95	$89.95

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

2000-Count Multimeters

- Resolution: 100µV max.
- **DC voltage ranges:** 200mV – 1000V
- Size: 7.5"W x 9.6"D x 2.5"H
- Weight: 2.6 lbs.

203801: 3 1/2-Digit - 2A

- **DC/AC current ranges:** 20µA – 2A
- **AC voltage ranges:** 200mV – 700V
- **Resistance ranges:** 200Ω – 20MΩ
- **Conductance ranges:** 2µS – 200nS

160830: 3 1/2-Digit - 10A

- **DC/AC current ranges:** 20µA – 10A
- **AC voltage ranges:** 200mV – 700V
- **Resistance ranges:** 200Ω – 20MΩ
- **Conductance ranges:** 2µS – 200nS

421542: 3 1/2-Digit - 2A

- **DC/AC current ranges:** 200µA – 2A
- **AC voltage ranges:** 200mV – 750V
- **Resistance ranges:** 200Ω – 20MΩ
- **Conductance ranges:** 2mS – 200nS
- **Frequency ranges:** 20Hz – 50kHz

✣ Refurbished = Backed by Jameco

Limited Supply – Great Price!

Part No.	Mfr. Part No.	1	5
160830	8010A✣	$199.95	$189.95
203801	8012A✣	199.95	189.95
421542	8050A✣	219.95	209.95

20MHz 2-Channel Analog Oscilloscope

- 6" rectangular screen with internal graticule and scale
- Vertical deflection: 1mV/div to 1V/div (5MHz, 3dB) x 5 gain selected
- Horizontal deflection: 0.1µs/div to 2.0s/div in 1-2-5 sequence, 23 steps
- Max. input voltage: 400V (DC + AC peak)
- Input voltage: 115/230VAC w/ line voltage selector
- ADD function measures sum of two signals
- Size: 12.8"W x 15.7"D x 5.2"H • Weight: 16.8 lbs.

Includes: Two (X1/X10) test probes, power cord and manual

Part No.	Mfr. Part No.	1	5
685311	SK0200	$429.95	$399.95

20MHz Handheld Oscilloscope with Digital Multimeter

- Sensitivity: 5mV to 100V/div (in 1,2,5 sequence)
- 8-bit resolution
- Input impedance: 1MΩ ±1%; 20pF ±1.3pF
- Probe attenuation: x1 and x10
- Coupling: AC/DC, HF-reject, LF-reject, noise reject
- **DC voltage range:** 600mV to 1000V
- **AC voltage range:** 6V to 600V
- **Resistance range:** 600Ω to 60MΩ
- **Capacitance range:** 60nF to 300µF
- Diode, continuity, high current and temperature test
- Size: 4.2"W x 2.2"D x 8.3"H

Power Requirements: 9VDC @ 1A power supply or 7.2V NiMH battery pack

Includes: Power adapter, manual, scope probe, test leads, holster, USB cable and software

Part No.	Mfr. Part No.	1	5
1918999	Protek 820	$849.95	$749.95

4000-Count True-RMS Benchtop Multimeter with RS-232

- 9 functions, 32 ranges
- 3¾-digit backlit LCD display with bargraph
- Auto/manual ranging
- True RMS AC volts and amps
- Resolution: 100µV maximum
- **DC voltage ranges:** 400mV – 1000V (0.3% accuracy)
- **AC voltage ranges:** 4V – 750V
- **DC/AC current ranges:** 4mA – 10A
- **Resistance ranges:** 400Ω – 40MΩ
- **Capacitance ranges:** 4nF – 40µF
- **Frequency ranges:** 100Hz – 600kHz
- Diode and continuity test
- Min., max., and relative hold function
- Delay hold mode
- Input voltage: 9V battery or 90-132VAC/198-264VAC @ 50-60Hz • Weight: 3.3 lbs.
- Size: 9.0"W x 9.4"D x 3.3"H • Two-year warranty

Includes: Manual, test leads, power adapter, 9V battery, RS-232 cable & software (98/ME/2000/XP compatible)

Part No.	Mfr. Part No.	1	5
230586	B940	$179.95	$169.95

20MHz Dual Trace Oscilloscope with Alt-Mag

- 3.15" x 3.94" CRT with internal graticule & scale
- Vertical amplifier: 5m/DIV to 5V/DIV in 10 steps (1-2-5 sequence)
- Horizontal sweep: 200ns/Div to 0.5s/Div in 20 steps (1-2-5 sequence)
- External trigger input: impedance – 1MΩ ±5% + 20pF capacitance; maximum input voltage – 160V (DC or AC peak)
- Z axis modulation: 5Vp-p sensitivity; maximum input voltage – 50V or ACp-p
- Input voltage: 120VAC or 220VAC @ 50/60Hz
- Size: 12.5"W x 15.75"D x 5.1"H • Weight: 16 lbs.

Part No.	Mfr. Part No.	1	5
1536801	PROTEK 6020R	$368.95	$349.95

5MHz Handheld Digital Oscilloscope with True-RMS Multimeter

- Record length: 512 single shot, 256 all other functions
- Sample mode: single shot, roll, normal
- Vertical sensitivity: 50mV max.
- Input volt.: 600VDC or AC_{RMS} max.
- Input impedance: 1MΩ
- Sampling time: 25MS/s dual ch.; 50MS/s single ch.
- RS-232 PC interface and software for transferring waveforms and data
- Resolution: 100µV max.
- **DC voltage ranges:** 0.001V to 1000V
- **AC (TRMS) voltage ranges:** 0.001V to 750V
- **Resistance ranges:** 1Ω to 5MΩ
- **Frequency ranges:** 0.01Hz to 10MHz
- **RPM ranges:** 240 to 60,000 RPMS
- Size: 3.5"W x 1.8"D x 7.7"H

Includes: Test leads, alligator clips, Ni-MH battery pack, AC adapter/charger, RS-232 cable, holster & carrying case

Part No.	Mfr. Part No.	1	5
645651	381295	$495.95	$429.95

100MHz Analog Oscilloscope

- 2-channel dual trace
- Auto focusing according to intensity
- Delay line
- Weight: 22.8 lbs.
- Two-year warranty
- Size: 16.9"L x 12.6"W x 5.5"H

Includes: Two (X1/X10) 100MHz probes, power cord, and operations manual

Part No.	Mfr. Part No.	1	5
121179	OS5100	$999.95	$965.95

150MHz 2-Channel Digital Oscilloscope

Color and Monochrome with RS-232/USB/ Parallel Interfaces

- Bandwidth (-3dB): 150MHz
- 15 memory settings
- Real-time sample rate: 100MS/s max on each channel; equivalent: 25GS/s
- 2 channels with 8-bit vertical resolution
- Record length 125k/CH
- Auto set vertical, horizontal, and trigger level
- Vertical sensitivity: 2mV/div – 5V/div
- Input voltage: 100-240VAC @ 50-60Hz
- Time base range: 1nS/div – 10S/div
- Color with RS-232/USB/parallel interface
- Trigger sensitivity: DC – 25MHz: 0.35div or 3.5mV;25MHz – 150MHz: 1.5div or 10mV
- Frequency counter: 6 digits ±50ppm; AC coupled, 10Hz – 150MHz
- Size: 12.2"W x 10.0"D x 5.6"H
- Weight: 9.3 lbs. • Two-year warranty

Includes: BNC cable, power cord & operations manual

Part No.	Mfr. Part No.	1	5
229366	GDS-820C	$1,299.95	$1,199.95

50MHz Digital PC-Based Oscilloscope, Spectrum Analyzer and Transient Recorder

- Sampling frequency: 1.25kHz–50MHz real-time; 1GHz repetitive
- Input impedance: 1MΩ/30pF
- Parallel port interface
- Inputs: 2 channels, 1 external trigger input
- Max. input voltage: 100V AC/DC
- Power required: 9V to 10V @ 1000mA (recommend P/N 364576, pg 120)

★ *Web Code: RCG*

Oscilloscope:

- Time base: 20ns–100ms per division
- Input sensitivity: 5mV–15V per division with auto step-function
- Recording length: 4096 samples per channel

Spectrum Analyzer: • Frequency range: 0 to 25MHz

Transient Recorder: • Time scale: 20ms/div–2000s/div

- Max. recording time: 9.4 hours/screen
- Max. number of samples: 100/s

System Requirements: IBM compatible PC, Windows® 95/98/ME, SVGA card, mouse, printer port, CD-ROM

Includes: 2 Test leads, parallel cable and CD-ROM

Part No.	Mfr. Part No.	1	5
200184	PCS500AU	$349.95	$329.95

★ *Oscilloscopes Available Online — Enter Web Code RCG*

Test/Tools

★ *For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

50MHz 2-Channel USB PC Oscilloscope

The PCSU1000 digital storage oscilloscope uses the power of your PC to visualize electrical signals. It has a highly sensitive display resolution, down to 0.15mV, combined with a high bandwidth and a sampling frequency of up to 1GHz.

Oscilloscope:
- Input range: 5mV to 2V/division
- Time base: 20ns to 100ms per division
- Trigger source: CH1, CH2, EXT or free run
- Real time sampling frequency: 1.25kHz to 50MHz

Spectrum Analyzer:
- Frequency range: 1.2kHz to 25MHz
- FFT resolution: 2048 lines
- FFT input channel: CH1 or CH2

★Web Code: RCG

Transient Recorder:
- Timescale: 20ms/Div to 2000s/Div
- Max record time: 9.4 hour/screen
- Min./Max. number of samples: 20/s; 100/s

System Requirements: IBM compatible PC, Windows® 98SE or later, SVGA display card, USB port

Includes: PC oscilloscope, 2 x 60MHz scope probes, USB cable and CD-ROM

Part No.	Mfr. Part No.	1	5
695017	PCSU1000	$499.95	$459.95

40MHz Multifunction Oscilloscopes w/ Built-In 5MHz Function Generator

2 in 1

Oscilloscope:
- 6" rectangle high resolution CRT
- Max signal input volt.: 400V (DC and AC peak)
- Input voltage: 100/120/220/240VAC @ 50-60Hz
- Size: 15.7"L x 12.8"W x 5.2"H • Weight: 26 lbs.
- Two-year manufacturer's warranty

1586200: W/ built-in 60MHz auto-detect counter

Function Generator:
- Frequency range: 0.5Hz to 5MHz (6 ranges)
- Output waveforms: sine, triangle, square
- Output impedance: 50Ω
- Output volt: 20Vp-p (no load), 10Vp-p (w/ 50Ω load)
- See www.Jameco.com for additional specs.

3 in 1

Part No.	Mfr. Part No.	1	5
1536886	SK0404	$599.95	$539.95
1586200	SK0409	799.95	739.95

3MHz Function Generator with Positive and Negative Pulses

- 6 waveforms: sine, square, triangle, ramp, positive pulse and negative pulse
- Input voltage: 110VAC
- Output impedance: 50Ω ±2%
- Knob selector switches for waveforms and frequency ranges • Size: 10.5"W x 11.2"D x 3.9"H
- Frequency range: 0.5Hz to 3MHz in 6 ranges via rotary switch • Weight: 6.6 lbs.

Part No.	Mfr. Part No.	1	5
685329	SK3000	$209.95	$189.95

★Function Generators — Enter Web Code DEJ

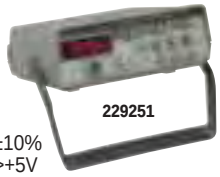
★Frequency Counters — Enter Web Code VCG

5MHz Function Generator

- Waveforms: sine, square, triangle and ramp
- 0.5 to 5MHz
- 100% DC offset
- Variable duty cycle
- Output impedance: 50Ω
- Coarse and fine tuning
- Size: 10.4"W x 11.7"D x 3.4"H
- Weight: 6.2 lbs.
- Two-year warranty

Part No.	Mfr. Part No.	1	5
160469	BK4011A	$369.95	$349.95

2MHz & 3MHz Function Generators w/ Frequency Counter



Function Generator
- Waveforms: sine, triangle, square, TTL and CMOS output
- Output amplitude: >10Vp-p into 50Ω load
- Output impedance: 50Ω ±10%
- DC offset range: <-5V to >+5V into 50Ω load

Frequency Counter
- Input voltage: 115/230VAC @ 50-60Hz
- Weight: 4.4 lbs. • Two-year warranty

229251: • 4-digit LCD display
- Ranges: 0.2Hz to 2MH • Size: 9.1"W x 11.0"D x 3.7"H

229260: • 6-digit LCD display with ramp
- Ranges: INT/EXT switch, 0.3Hz to 3MHz internal and 5Hz to 150MHz external; resolution of 10nHz to 0.1Hz • Size: 9.9"W x 11.5"D x 3.6"H

Includes: Power cord, operations manual and leads

Part No.	Mfr. Part No.	Description	1	5
229251	GFG-8020H	2MHz	$249.95	$229.95
229260	GFG-8216A	3MHz	299.95	269.95

2.4GHz 2-Channel Frequency Counter

- 8-digit green LED display with annunciators
- Adjustable range and gate time
- Frequency ranges: 0.01Hz to 2.4GHz
- Gate time: 100msec to 10sec
- Channel A: DC coupled – 0.01Hz to 100Hz; AC coupled – 100Hz to 50MHz, sensitivity – 80mVrms, 1MΩ impedance
- Channel B: frequency range: 50MHz to 2.4GHz, sensitivity – 50mVrms, 50Ω impedance
- Power supply: 120 to 220VAC
- Size: 10.6"W x 8.5"D x 3.9"H • Weight: 3.5 lbs.

Part No.	Mfr. Part No.	1	5
1955968	DVM13MFC2U	$159.95	$149.95

More Information Online
www.Jameco.com

60/100/250MHz Modular Oscilloscope Probes

22892 216047 236777

★Web Code: RAC

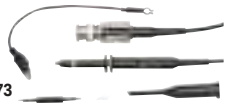
- Hook and pointed probes
- Maximum input volt.: 600V • Length: 5'
- Alligator clip ground wire • BNC male connector
- **216047/236777**: With IC test ground cover and spring ground contact

Part No.	Bandwidth (±3dB) Attenuation x1	Bandwidth (±3dB) Attenuation x10	Impedance (R/C)* Attenuation x1	Impedance (R/C)* Attenuation x10
22892	6MHz	60MHz	1MΩ/180pF	10MΩ/22pF
216047	6MHz	100MHz	1MΩ/47pF	10MΩ/16pF
236777	6MHz	250MHz	1MΩ/47pF	10MΩ/14pF

* with 20pF oscilloscope input

Part No.	Product No.	1	5	25
22892	LF101E℞	$24.95	$22.49	$19.95
216047	HF-9100	29.95	26.95	23.95
236777	HP-9250	39.95	35.95	31.95

150/250MHz Oscilloscope Probes

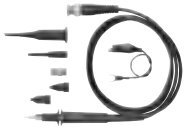


Designed for use with Tektronix and Hewlett Packard oscilloscopes.
- 3 position switch: x1, ref, x10
- Bandwidth @ 3dB: 10MHz (x1); 150MHz (x10)
- Loading: 57pF, 1MΩ (x1); 15pF, 10MΩ (x10)
- Low-resistance gold contacts
- Cord length: 5'

174473: 7-piece kit
212257: 25-piece kit

Part No.	Mfr. Part No.	1	5
174473	4901-02 (150MHz)	$59.95	$53.95
212257	4915A (250MHz)	159.95	144.95

100MHz Probe Set



- Complete accessory kit included
- Compensation range: 10~60pF
- 48" cable
- Bandwidth: 15/100MHz (-3dB)
- Attenuation: x1/x10
- Rise time: 23.33/3.5ns
- Input resistance: 1/10MΩ
- Capacitance: 64/10.5pF

Part No.	Mfr. Part No.	1	5
156451	4550B (100MHz)	$59.95	$53.95

★More Probes Available Online — Enter Web Code RAC

1000 Volt Probe Kit

- Rating: 1000V 10A
- Gold tips and contacts
- Electronic deluxe probe kit includes leads with shrouded right angle banana plug, probes, sprung hook probes, alligator clips, spade lugs, extender probes, minigator leads, .025" wire wrap leads, pico hooks and pincer hooks

Part No.	Description	1	5
212249	High voltage test probe	$79.95	$72.95

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

High Voltage Test Probe

- Maximum voltages: DC:40kV, AC: 40kV peak, 28kVrms
- Accuracy: DC:±1.5%, AC:±5%
- 10MΩ meter input impedance required
- Input/output impedance: 1,000MΩ/1.1MΩ
- Probe length: 14" • Cable length: 39"

Part No.	Product No.	Weight (lbs.)	1	5	25
132290	HV-40	0.8	$79.95	$73.95	$69.95

17MHz Logic Probe

- Max input freq.: 17MHz • Minimum pulse width: 30ns
- Pulse flash time: 500ms • Audible tones for high & low
- Input impedance: 1MΩ • Power supply protection: ±20V
- TTL threshold: Lo = 0.8V ±0.2V, Hi = 2.3V ±0.2V
- CMOS threshold: Lo = 30% VCC, Hi = 70% VCC

Part No.	Product No.	Description	1	5	25
149930	LP3500	Logic probe	$39.95	$35.95	$32.95

17MHz Logic Pulser

- Compatible with TTL, DTL and CMOS ICs
- Pulse repetition rate: 0.5pps/400pps
- 1MΩ sync input impedance
- Pulse width output at 100mA load: 10µs
- Pulse mode output current: 10mA
- Square wave current output: 5mA
- "One shot" or continuous 5Hz pulse train

★Web Code: MAQ

Part No.	Product No.	Description	1	5	25
24601	LP540H	Logic pulser	$29.95	$26.95	$23.95

PC Cable-Check® Pro

This powerful universal cable tester troubleshoots and maps 20 types of computer cables for opens, shorts, crosses, and good connections. Tests any combination of D-sub 9-pin, D-sub 15-pin, D-sub 25-pin, Centronics 36-pin printer, USB-A and USB-B, Mini USB, PS/2, RJ-11, RJ-45, BNC female–female cables and Firewire.

- Auto power off, auto and manual scan

Includes: 9V battery

Paladin Tools®

Part No.	Mfr. Part No.	Description	1	5	25
652480	1577	LED indicators	$185.95	$169.95	$159.95

Single & Multiple Output Benchtop Power Supplies

★Web Code: SAX

301920

175257

645600

301971

1939626

207618

207706

175249

Single Output Benchtop Power Supplies

• Voltage and current adjustable

Part No.	Mfr.	Mfr. Part No.	Voltage (VDC)/ Current (A)	Power (W)	Displays (Digits)	Input Voltage (VAC)	Short Circuit Protection	Overload Protection	Size (W" x H" x D")	Weight (lbs.)	Pricing 1	Pricing 5
301920	Mastech	HY1503C	15/3	45	2-Analog	115/230 ±10%	Y	N	3.8 x 6.3 x 9.1	9	$99.95	$89.95
175265	Various	DPS150A	15/10	150	2-Analog	110 @ 60Hz	Y	Y	6.2 x 4.0 x 5.7	12	149.95	129.95
175257	Various	SPS250A	15/15	225	2-Analog	110/220 @ 47-63Hz	Y	Y	6.2 x 4.0 x 5.6	3.8	149.95	129.95
681221	Extech	382202	18/3	54	2-Digital LCD (4)	120 @ 60 Hz	Y	Y	9.4 x 6.1 x 4.3	6.6	139.95	129.95
645600	Extech	382200	30/1	30	2-Digital LCD (4)	100/240 @ 47-63Hz	Y	Y	9.4 x 6.1 x 4.3	4.4	129.95	119.95
301971	Lascar	PSU130	30/1	30	2-Digital LCD (4)	100/240 @ 47-63Hz	Y	Y	5.5 x 1.6 x 5.2	1.2	89.95	84.95
301866	Mastech	HY3003D	30/3	90	2-Digital LCD (4)	115/230 ±10%	Y	N	5.4 x 6.2 x 11.5	10	159.95	135.95
207618	Mastech	HY3005C	30/5	150	2-Analog	115/230 ±10%	Y	N	5.4 x 6.2 x 11.5	14	159.95	135.95
301911	Mastech	HY3005D	30/5	150	2-Digital LCD (4)	115/230 ±10%	Y	N	5.4 x 6.2 x 11.5	13	199.95	179.95
207626	Mastech	HY3010C	30/10	300	2-Analog	115/230 ±10%	Y	N	10.4 x 6.5 x 14.4	31	299.95	269.95
207635	Mastech	HY3010ℛ	30/10	300	2-Digital LED (4)	115/230 ±10%	Y	N	10.4 x 6.5 x 14.4	31	319.95	289.95
207686	Mastech	HY3020ℛ	30/20	600	2-Digital LED (4)	115/230 ±10%	Y	N	10.4 x 6.5 x 14.4	42	499.95	449.95
1939626	Extech	382290	30/30	900	2-Digital LED (4)	110-240 @ 50-60Hz	Y	Y	9.8 x 3.8 x 13.4	13.2	749.95	699.95
207694	Mastech	HY5002ℛ	50/2	100	2-Digital LED (4)	115/230 ±10%	Y	N	5.4 x 6.2 x 11.5	13	179.95	159.95
163723	Various	DPS-3050	50/3	150	2-Analog	110 @ 60Hz	Y	Y	4.8 x 7.5 x 9.0	12.3	129.95	115.95
207706	Mastech	HY5003	50/3	150	2-Digital LED (4)	115/230 ±10%	Y	N	5.4 x 6.2 x 11.5	13	199.95	179.95
207600	Mastech	HY5005	50/5	250	2-Digital LED (4)	115/230 ±10%	Y	N	10.4 x 6.5 x 14.4	17	279.95	249.95
175249	Various	DPS5050	50/5	250	2-Analog	110 @ 50-60Hz	Y	Y	7.7 x 6.7 x 4.9	13.8	179.95	159.95

211693

301962

301947

197991

197982

1939618

Multiple Output Benchtop Power Supplies

• Voltage and current adjustable

Part No.	Mfr.	Mfr. Part No.	Voltage (VDC)/ Current (A)	Power (W)	Input Voltage	Displays	Short Circuit Protection	Overload Protection	Size (W" x H" x D")	Weight (lbs.)	Pricing 1	Pricing 5
211722	Mastech	HY3002-2ℛ	0-30/2; 0-30/2	120	115/230 ±10%	2-Digital LED	Y	N	10.4 x 6.5 x 14.4	23	$219.95	$199.95
211705	Mastech	HY3002D-2	0-30/2; 0-30/2	120	115/230 ±10%	4-Digital LCD	Y	N	10.4 x 6.5 x 14.4	23	239.95	219.95
211693	Mastech	HY3003D-2ℛ	0-30/3; 0-30/3	180	115/230 ±10%	4-Digital LCD	Y	N	10.4 x 6.5 x 14.4	28	299.95	269.95
211731	Mastech	HY3003-2ℛ	0-30/3; 0-30/3	180	115/230 ±10%	2-Digital LED	Y	N	10.4 x 6.5 x 14.4	28	299.95	269.95
301962	Mastech	HY5003-2	0-50/3; 0-50/3	300	115/230 ±10%	2-Digital LED	Y	N	10.4 x 6.5 x 14.4	26	299.95	269.95
301947	Mastech	HY3005D-2ℛ	0-30/5; 0-30/5	300	115/230 ±10%	4-Digital LCD	Y	N	10.4 x 6.5 x 14.4	26.5	299.95	269.95
211713	Mastech	HY3003-3	0-30/3; 0-30/3; 5/3	300	115/230 ±10%	2-Digital LED	Y	N	10.4 x 6.5 x 14.4	29	299.95	269.95
211684	Mastech	HY3003D-3	0-30/3; 0-30/3; 5/3	195	115/230 ±10%	4-Digital LCD	Y	N	10.4 x 6.5 x 14.4	29	299.95	269.95
301955	Mastech	HY3005D-3ℛ	0-30/5; 0-30/5; 5/3	315	115/230 ±10%	4-Digital LCD	Y	N	10.4 x 6.5 x 14.4	29	379.95	339.95
301938	Mastech	HY3005	0-30/5; 0-30/5; 5/3	315	115/230 ±10%	2-Digital LED	Y	N	10.5 x 6.5 x 14.3	10	199.95	179.95
197991	Extech	382213	0-30/3; 5/0.5; 12/0.5	98.5	110/120 @ 50-60 Hz	2-Digital LCD (3)	Y	Y	6 x 5.6 x 9.5	11	199.95	179.95
197982	Extech	382203	0-30/3; 5/0.5; 12/0.5	98.5	110/120 @ 50-60 Hz	2-Analog	Y	Y	6 x 5.6 x 9.5	11	169.95	159.95
1939618	Extech	382270	0-30/5; 0-30/5; 3-6/3; 8-15/1	334.5	110/120 @ 50-60 Hz*	4-Digital LED (4)	Y	Y	10.2 x 6.3 x 14.5	26.5	449.95	429.95

* Selectable

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

13.8VDC Precision Regulated Power Supplies

- Heavy duty 5'8" 3-prong power cord
- Short-circuit protected
- Illuminated rocker switch
- Fuse protected
- Output mating terminals: see pg 126 for cigarette plugs & pg 155 for banana terminal plugs

★Web Code: YEH

1918745 Cigarette plug

136581 Banana terminal

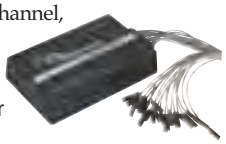
138668 Banana terminal (rear)

Part No.	Manufacturer	Mfr. Part No.	Power (W)	Output Volts@Curr.	Input Voltage	Output Terminals	Size (L" x W" x H")	Wt. (lbs.)	1	5	25
1918745	Samlex	SPS-1204UL	46.2	13.8VDC @ 3.5A	120VAC @ 60Hz	Cigarette plug / terminals	5.2 x 4.0 x 2.0	2.0	$39.95	$35.95	$32.95
136581	Samlex	RPS1207#	96.6	13.8VDC @ 7.0A	115VAC @ 60Hz	Banana terminals	8.7 x 5.7 x 3.6	8.5	69.95	59.95	54.95
138668	Various	38-381ℛ	138.0	13.8VDC @ 10A	115VAC @ 60Hz	Banana terminals (rear)	7.0 x 6.6 x 4.3	10.0	59.95	53.95	48.95
138676	Various	52-192012ℛ	276.0	13.8VDC @ 20A	115VAC @ 60Hz	Banana terminals	10.0 x 7.8 x 4.4	15.9	109.95	94.95	84.95

P/N 136581 includes overheating protection

DigiView 100MHz Logic Analyzer USB Interface

Professional quality 18-channel, 100MHz logic analyzer with high portability.



- 18-channels, 100MHz
- USB interface and power source for portability
- Real time hardware compression
- Compression ratio up to 256,000:1
- Trigger on rising, falling, or transition of any channel
- Pre-trigger and post-trigger data capture
- Captures up to 5 minutes of data @ 10ns resolution

Part No.	Product No.	1	5
256866	DVI-100	$499.95	$469.95

80-Watt Switching Mode DC Power Supply

3-in-1 DC Power Supply

- Input voltage: 90-264VAC @ 47-63Hz
- Constant voltage and current
- Basic accuracy: ±1%
- Ripple and noise: <30mVp-p
- Line regulation: <4mV
- Load regulation: <20mV
- Dual 4-digit LED display
- 3 ranges: 0 – 16.4V @ 0-5.1A; 0 – 27.6V @ 0 – 3.1A; 0 – 36.8V @ 0 – 2.3A
- Remote sensing for accurate applied voltage at load point
- Front and rear output terminals
- Size: 13"H x 5"W x 2.1"D
- Weight: 4.2 lbs.

EXTECH INSTRUMENTS

Part No.	Mfr. Part No.	1	5
1939600	382260	$279.95	$239.95

★Benchtop Power Supplies — Enter Web Code SAX

For our Selection of AT & ATX Power Supplies on page 175

108-Watt Desktop Power Supply

- Load reg.: ±2%
- Input voltage: 88 132VAC/ 176-264VAC @ 47-63Hz (switch selectable)
- Line regulation: ±5%
- Efficiency (typical): 81%
- Ripple and noise max.: 120mVp-p
- Vol. adjustment range: 12VDC to 15VDC
- Front panel on/off switch and 3 color LED loading indicator
- Size: 5.9"W x 5.5"D x 3.3"H
- Short-circuit/overload/ overvoltage/overtemperature protection
- Weight: 3.3 lbs.
- Back panel 3-prong AC receptacle and banana plugs

MW

Part No.	Mfr. Part No.	1	5
673230	ESP-120-13.5ℛ	$59.95	$53.95

90-Watt Digital DC Power Supply

JAMECO BenchPro

JAMECO EXCLUSIVE

- 30V @ 3A
- Input voltage: 110/220VAC @ 50-60Hz
- Resolution: 1% ±1 digit accuracy
- Constant volt. and current operation
- Size: 5.1"W x 10.1"D x 5.9"H

Part No.	Product No.	1	5
489184	DRP-303D	$199.95	$189.95

ATX Power Supply Tester

- LED indicators for ATX power supply outputs to indicate pass or fail
- Tests +3.3V, +5V, +12V, +5VSB, -5V, -12V and PG outputs
- 20-pin ATX connector on one side of the tester
- 4-pin HDD connector, floppy drive connector, and P4 connector on the other side of the tester

Part No.	Product No.	1	5
1928450	PST20	$19.95	$17.95

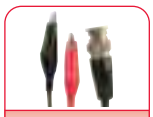
Test Leads and Cables

NEW MARKED IN PINK

★Web Code TLC

159871

176971



11384

11422

176954

256832

1945962

212222

174625

Part No.	Manufacturer	Product No.	Description	Size (L")	1	10	25
159871	Pomona	2249-C-36ℛ	BNC male to male cable, RG58C/U, 50Ω, 20 AWG, black	36	$14.95	$14.49	$13.95
159880	Pomona	2249-C-60ℛ	BNC male to male cable, RG58C/U, 50Ω, 20 AWG, black	60	18.95	17.95	16.95
2097141	Pomona	2249-E-36ℛ	BNC male to male cable, RG59B/U, 75Ω, 23 AWG, black	36	16.95	15.95	14.95
2097125	Pomona	2249-K-36ℛ	BNC male to male cable, RG174/U, 50Ω, 26 AWG, black	36	22.95	21.95	20.49
176971	Pomona	4532-C-36ℛ	BNC M to Mini alligator clips w/strain relief, RG58C/U, 50Ω, 20AWG, blk	36	18.95	17.95	16.95
11384	BenchPro	GCA26-Rℛ	BNC male to Alligator clip, RG58/U, black	23	4.65	3.95	2.95
11464	BenchPro	05-A-078-Rℛ	BNC male to Mini-clip test lead, RG174A/U, black	39	3.95	3.59	3.29
11422	BenchPro	05-A-081-Rℛ	BNC male to Micro-clip test lead, RG174A/U, black	39	3.75	3.19	2.59
2097150	Pomona	5187-C-36ℛ	BNC male to MiniGrabber test leads, RG58C/U 50Ω, 20 AWG, black	36	18.95	17.95	16.95
176954	Pomona	5187-K-36ℛ	BNC male to MiniGrabber test leads, RG174/U 50Ω, 26 AWG, black	36	24.95	23.95	22.95
256832	BenchPro	CBB-069ℛ	BNC female to pigtail, 20 AWG, 2 wire: 1 black 1 red	7	5.49	4.95	4.49
2097555	BenchPro	CBB-070ℛ	BNC male to pigtail, 20 AWG, 2 wire 1 black 1 red	9	5.49	4.95	4.49
1945962	Various	TP-1	Protected probes w/ rt. angle banana screw-on alligator clips, 1 blk 1 red	40	7.95	6.95	6.25
212222	Probe Master	8043S	Softie test probe leads (w/10 pcs interchangeable tips) 18AWG, 1 blk 1 red	39	26.95	25.95	24.95
174625	Probe Master	8150	Micro-tip test probe leads rt. angle (w/10 plunger type tips), 1 blk 1 red	39	36.95	33.95	31.95
168516	BenchPro	GA-5010	Universal test lead kit w/ 12 interchangeable tips, 1 black 1 red	36	8.95	6.95	5.95
77738	BenchPro	GF19-Rℛ	Protected banana style multimeter test leads, 1 black 1 red	40	5.95	5.49	4.95
77746	BenchPro	FC-15B-Rℛ	Standard banana style multimeter test probes, 1 black 1 red	42	7.59	6.95	6.25
155951	Pomona	5519Aℛ	Banana plug to rt. angle probe, insulated leads, 18 AWG 1 blk 1 red	48	13.95	12.95	11.95
10444	BenchPro	GAL01	Alligator clip test leads, 24 AWG (19/36) 10-pc. assorted colors	15	4.49	3.95	3.49
159901	Pomona	B-24-02ℛ	Stackable banana patch cords, 18 AWG, 1 black 1 red	24	9.95	8.95	8.29

168516

77738

77746

155951

10444

159901

Test Leads & Cables continued on next page

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 190.*

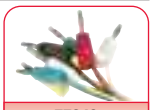
Pomona | KEYSTONE | JAMECO BenchPro | PROBE MASTER

Test Leads and Cables (Continued)

★Web Code TLC

Part No.	Manufacturer	Product No.	Description	Size (L")	1	10	25
159919	Pomona	B-36-02ℛ	Stackable banana patch cords, 18 AWG, 1 black 1 red	36	$10.95	$9.95	$8.95
77842	BenchPro	KLN-4-25/H-Rℛ	Stackable banana patch cords, 18 AWG, 2 ea. (blk,red,blue,white,yellow)	9.8	23.95	20.95	19.95
107423	BenchPro	GCA340-Rℛ	Stackable double banana plug to alligator clip test leads, 1 blk, 1 red	36	3.95	3.59	3.19
159899	Pomona	3782-36-02ℛ	Mini-clip w/ stackable banana test leads, 20 AWG, 1 black 1 red	36	10.95	9.95	9.49
21857	BenchPro	05-A-082-Rℛ	Mini-clip to stackable banana test leads, black	39	3.95	3.49	2.95
21865	BenchPro	05-A-079-Rℛ	Mini-clip to stackable banana test leads, red	39	3.95	3.49	2.95
135299	BenchPro	SF-207A-Rℛ	Mini-clip test leads, 26 AWG, 5 sets (blue, black, yellow, red, green)	14	10.95	9.95	8.95
571188	Pomona	3782-60-0	MiniGrabber™ test clip to stacking banana plug	60	5.95	5.49	4.95
156495	Pomona	5523-Rℛ	MiniGrabber™ test clip patch cord, 20 AWG 10-pc. assorted colors	24	39.95	37.95	36.95
155985	Pomona	2708Bℛ	9 slot test lead holder, accepts RG213 & RG214 wire sizes, (blue)	11	11.95	10.95	10.49
155977	Pomona	4408ℛ	10 slot test lead holder, accepts RG59 & RG108 wire sizes, (black)	11	9.95	9.49	8.95
155969	Pomona	1508ℛ	14 slot test lead holder, accepts RG58 & RG142 wire sizes, (orange)	11	11.49	10.95	10.49

159919


77842

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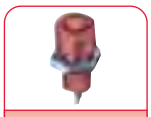
Test Clips, Plugs and Posts

NEW MARKED IN PINK

★Web Code TLC

71240

77691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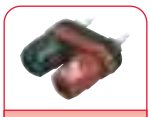

125197

72195

137526

159863

159927

✳ Order in multiples of 10

Part No.	Manufacturer	Product No.	Description	Size (ins.)	1	10	100
71240	BenchPro	GIP-003-Rℛ	Binding post, screw type, chassis mount 1 black, 1 red	1.0 L x .50 Dia.	$1.09	$.99	$.89
77691	BenchPro	GIP-001-Rℛ	Binding post, screw type, chassis mount 1 black, 1 red	1.8 L x .50 Dia.	1.59	1.45	1.29
2097264	Pomona	4995-0ℛ	Binding post, spring loaded, panel mount, black	2.0 L x .50 Dia.	20.95	19.95	18.95
2097272	Pomona	4995-2ℛ	Binding post, spring loaded, panel mount, red	2.0 L x .50 Dia.	20.95	19.95	18.95
2097192	Pomona	5165-0ℛ	Shorting bar, insulated double banana plug w/ binding post, blk	1.78 L x .48 Dia	12.95	11.95	10.95
1582188	Keystone	6092ℛ	Banana jack, chassis mount, 0.182" solder tab, black	.937 L x .433 Dia.	1.29	1.15	1.09
1582170	Keystone	6091ℛ	Banana jack, chassis mount, 0.182" solder tab, red	.937 L x .433 Dia.	1.29	1.15	1.09
256779	BenchPro	R1-17-BLK-Rℛ	Panel mount tip jack; 1/4"-32 thread, black (10 pc. pkg)	.988 L x .29 Dia.	7.95	6.95	5.95
263864	BenchPro	R1-17-RED-Rℛ	Panel mount tip jack; 1/4"-32 thread, red (10 pc. pkg)	.988 L x .29 Dia.	7.95	6.95	5.95
125197	BenchPro	GBRR2-Rℛ	Screw mount double binding/banana post, black/red	1.6 L x 1.4 W	3.95	3.49	2.95
72195	BenchPro	GBP205-Rℛ	Set screw banana plug, 1 black, 1 red	1.6 L x .40 Dia.	1.59	1.45	1.25
137526	BenchPro	HP-2234P-Rℛ	Set screw banana plug, 1 black, 1 red	2.3 L x .30 Dia.	2.99	2.49	1.99
159855	Pomona	1325-02ℛ	Solderless stackable banana plug w/ set screw, 1 black, 1 red	1.55 L x .44 Dia.	3.19	2.95	2.75
571145	Pomona	1325-2ℛ	Solderless stackable banana plug w/ set screw, red (set of 10)	1.55 L x .17 Dia.	15.95	14.95	13.95
159863	Pomona	1825-02ℛ	Solderless stackable banana plug w/ safety collar, 1 black, 1 red	4.59 L x .39 Dia.	3.19	2.95	2.75
125210	BenchPro	GBRR4-BLK-Rℛ	Solderless stackable double banana plug, w/ wire guide, black	1.59 L x 1.20 W	2.39	2.19	1.95
125218	BenchPro	GBRR4-RED-Rℛ	Solderless stackable double banana plug, w/ wire guide, red	1.59 L x 1.20 W	2.39	2.19	1.95
571268	Pomona	MDP-2	Solderless stackable double banana plug, w/ wire guide, red	1.55 L x 1.13 W	2.95	2.79	2.59
159927	Pomona	MDP-02ℛ	Solderless stackable dbl banana plug, w/ wire guide, red (set of 2)	1.55 L x 1.18 W	5.49	5.29	4.95
11440	BenchPro	03-701A-Rℛ	BNC female to standard double banana plug, black	2.03 L x 1.7 W	4.95	4.49	3.95
125225	BenchPro	GB2BR2	BNC male to standard double banana plug, black	2.21 L x 1.8 W	5.95	5.39	4.95
125233	BenchPro	GB1BN2	BNC female to double binding/banana posts, black	2.14 L x 1.8 W	4.95	4.45	3.95
99355	BenchPro	GB2BN2ℛ	BNC male to double binding/banana posts, black	2.35 L x 1.7 W	4.95	4.45	3.95
114810	BenchPro	G2P004-Rℛ	Micro test clip, 1 red, 1 black	1.7 L	1.59	1.45	1.29
153163	BenchPro	SF-207-BL-Rℛ	Micro test clip, blue	1.7 L	.95	.85	.75
114818	BenchPro	G2P002-Rℛ	Mini test clip, 1 black, 1 red	3.5 L	1.95	1.65	1.35
684502	Pomona	6311	SMD micro grabber test clip, 8mm tip, 1 green 1 yellow	1.5 L x .02 W	89.95	84.95	79.95
684545	Pomona	6313	SMD micro grabber test clip, 2mm tip, 1 green 1 yellow	1.5 L x .02 W	89.95	84.95	79.95
248921	BenchPro	SF101CP-Rℛ	Mini alligator clip, solder/crimp (set of 2)	1.2 L x .30 W	.39	.36	.33
248939	BenchPro	SF-103CP-R	Mini alligator clip, solder/crimp (set of 2)	1.6 L x 0.3 Dia.	.35	.29	.25
256525	BenchPro	SF105B-Rℛ	Alligator clip, barrel/screw, 2" (set of 2)	2.0 L x .20 Dia.	.55	.49	.45
70991	BenchPro	GIP006-Rℛ	Insulated alligator clips, 1 black 1 red	2.3 L x .50 W	.55	.49	.39
248962	BenchPro	SF-103SV-BK	Black insulator sleeve for PNs 248939 & 256525 (set of 2)	2.1 L x .20 Dia.	.55	.49	.45
248972	Various	SF103SV-RD-Rℛ	Red insulator sleeve for PNs 248939 & 256525 (set of 2)	2.1 L x .20 Dia.	.35	.29	.25
1581986	Keystone	5001ℛ	Looped color coded test point, mini, black	.3 L x .04 Dia.	.29	.25	.19
1581994	Keystone	5002ℛ	Looped color coded test point, mini, white	.3 L x .04 Dia.	✳	.19	.15
1582006	Keystone	5004ℛ	Looped color coded test point, mini, yellow	.3 L x .04 Dia.	✳	.19	.15
1582065	Keystone	5012ℛ	Looped color coded test point, white	.45 L x .063 Dia.	.29	.25	.19

11440

2097192

125233

114810/114818

153163

684502

248921

248939

256525

70991

248962

248972

1581986

1582065

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

JAMECO BenchPro

12-Piece Lightweight Computer-Service Tool Kit

- Kit includes:
  - 2 nut drivers: 3/16", 1/4"
  - 3-claw parts holder
  - 1-pc hex key wrench
  - IC extractor
  - 4-pc screwdriver set
  - Tweezers
  - Clear components tube holder
- Size: 85"L x 6.0"W x 1.5"H • Weight: 1.1 lbs.

Part No.	Description	1	5	25
167206	12-piece tool kit	$15.95	$13.95	$11.95

26-Piece SAE Hobby Tool Set

- 4-1/2" long nose pliers
- 4-1/2" diagonal cutting pliers
- #1 & #2 Phillips bits
- #1 & #2 pozi bits
- 3/16" & 1/4" slotted bits
- Hex to 1/4" driver adapter
- T-10, T-15, and T-20 Torx bits
- Driver handle • Compact carrying case
- 3" extension bar for 1/4" drive • Tweezers
- 3 slotted and 3 screw driver precision set
- 3/16", 1/4", 11/32" and 3/8" sockets for 1/4" drive
- Size: 12.0"L x 9.0"W x 2.0"H • Weight: 1.5 lbs.

Part No.	Description	1	5	25
170069	26-pc. SAE tool set	$17.95	$15.95	$12.95

JAMECO BenchPro

40-Piece Electronic Tech Tool Kit

- Kit includes:
  - Wire cutters/ stripper
  - Adapter bit for sockets
  - Pocket clip screwdriver
  - 10-pc screwdriver set
  - T10-T25 reversible
  - Torx screwdriver bits
  - Potentiometer alignment tools
  - 3/16"-1/2" S.A.E. nut driver sockets
  - 6mm-12mm metric nut driver sockets
  - Slotted and Phillips screwdriver bits
  - Extra long 3-claw parts holder
  - IC inserter with pin straightener
  - IC extractor
- Size: 9.5"L x 6.8"W x 1.4"H • Weight: 1.7 lbs.

Part No.	Description	1	5	25
119183	40-piece tool kit	$21.95	$19.95	$17.95

JAMECO BenchPro

51-Piece Tech Tool Kit

- Kit includes:
  - Storage box
  - 4 pliers
  - Tweezers
  - 7-piece hex key set
  - Scissors
  - PVC insulated tape
  - Multimeter
  - 10-piece screwdriver set
  - Brush
  - Utility knife (3 blades)
  - 2 Needle files
  - 3-piece soldering aid kit
  - Wrench
  - Desoldering pump
  - Solder core
  - 6-piece electronic screwdriver set
  - Soldering iron with stand and sponge
- Case features removable pallets, a combination lock and a cushioned black plastic handle
- Size: 12.5"L x 17.5"W x 3.5"H
- Weight: 10.4 lbs.

Part No.	Description	1	5
26681	51-piece tool kit	$99.95	$89.95

★ *For Tool Kits — Enter Web Code CAA*

JAMECO BenchPro

52-Piece Master Electronics Tool Kit

Simply every tool needed for field repair or installation. All in a handsome lockable case, with room for spare parts or special equipment.

- Kit includes:
  - 7 pliers
  - Storage box
  - Wrench
  - 3-piece soldering aid kit
  - Soldering iron with stand and sponge
  - 10-piece screwdriver set
  - Desolder wick
  - Brush
  - Crimping tool
  - 6-piece screwdriver set
  - Oil can
  - Desolder pump
  - 5-piece file set
  - Testing screwdriver
  - Alignment tool
  - IC extractor
  - Flashlight
  - 7-piece hex set
  - 3-prong holder
  - 6-piece wrench set
  - Hammer
  - PVC insulated tape
  - Scissors
  - Solder core
  - Part tube
  - Heat sink
  - Utility knife (3 blades)
  - Measuring tape
  - Tweezers
- Carrying case has two removable pallets, adjustable compartments, and combination locks
- Size: 18.0"W x 13.0"D x 4.0"H • Weight: 16.0 lbs.

Part No.	Description	1	5
218245	52-piece electronic tool kit	$129.95	$115.95

JAMECO BenchPro

69-Piece Tech Service Tool Kit

- Kit includes:
  - Storage box
  - 7 pliers
  - Tweezers
  - Spring hook
  - 3-piece soldering aid kit
  - Desoldering pump
  - 3-piece alignment tool set
  - Diagonal cutter
  - Soldering iron
  - Drill
  - Forceps
  - Desoldering wick
  - 9-piece screwdriver set
  - Brush
  - Wire stripper
  - Crimping tool
  - 5-piece file set
  - Extractor
  - Flashlight
  - 7-piece hex key set
  - 3-prong holder
  - Hammer
  - PVC insulated tape
  - Solder core
  - Heat sink
  - Wrist strap
  - Measuring tape
  - Inspection Mirror
  - 6-piece electronic screwdriver set
  - 40-piece socket & screwdriver set
  - 10-piece electronic wrench set
- Size: 18.5"L x 13.8"W x 6.7"H • Weight: 22.8 lbs.

Part No.	Description	1	5
149024	69-piece tool kit	$299.95	$269.95

Aluminum Tool Cases

261877

Made of lightweight aluminum, these tool cases are designed to take rough field use.

- Size: 19.0"L x 14.0"W x 6.0"

261877 Includes: Tool pallet, egg carton foam lid and 2.5" thick pre-cut foam bottom

261884 Includes: Single inside panel and adjustable compartments

★ *Web Code: ABR*

Part No.	Description	1	5
261877	Tool/equipment case℞	$44.95	$39.95
261884	Tool case	29.95	26.95

JAMECO BenchPro

100-Piece Professional Electronics Tool Kit

- Kit includes:
  - Soldering iron
  - 12 screwdrivers
  - 7-piece hex key set
  - Extractor
  - 4 Pliers
  - Adjustable wrench
  - Crimper/Stripper
  - Vise
  - 6-piece screwdriver set
  - Flashlight
  - 3-piece soldering aid kit
  - Brush
  - Desoldering pump
  - Soldering stand
  - Multimeter
  - Solder pen
  - Tweezers
  - Cutters
  - 5-piece file set
  - Storage box
  - 10-piece wrench set
  - Tape
  - Voltage tester
  - Wrist strap
  - 2 bottles cleaning liquid
  - Vacuum cleaner
  - Blade cutters
  - Scissors
  - Cordless screwdriver kit (bits included)
- Aluminum case features removable pallets, surface-type locks, and black plastic handle
- Size: 18.0"L x 14.0"W x 6.0"H • Weight: 15.5 lbs.

Part No.	Description	1	5
242851	100-piece tool kit	$199.95	$159.95

R² RapidRench Adjustable Ratcheting Socket Wrench

- Fits hundreds of SAE and metric fasteners
- Tighten or loosen with a flip of a switch
- Dial adjusts jaws to the exact size of the fastener
- Jaw capacity: 1/4" to 7/8" (6.35mm to 22.2mm)
- Rubberized comfort grip for extra control

Part No.	Mfr. Part No.	1	5
1943131	FR28SWMP	$28.95	$25.95

★ *Wrenches — Enter Web Code WEL*

RapidSlide Adjustable Wrench

- Slide/control button on handle for fast, easy and accurate jaw adjustment
- SAE/metric adjustment markings on head
- 1" maximum jaw opening allows each tool to work with more fastener sizes

Part No.	Mfr. Part No.	1	5
1943123	AC8NKWMP	$19.95	$17.95

Rotary Coax Cable Strippers

2 and 3 Blade

159119

159119 (3 Blade): 2 settings RG58/59/62

- For cable sizes 4-10mm
- Size: 4.2"L x 1.3"W • Color: black

159185

159185 (2 Blades): 4 settings RG58/59/62/174

- For cable sizes 4-12mm
- Size: 3.9"L x 0.7"W • Color: gray

Includes: Hex key wrench for adjusting blade

Part No.	Mfr. Part No.	1	5	25
159119	HT312B (3 blade)℞	$9.95	$9.45	$8.95
159185	HT332D (2 blade)	9.95	9.45	8.95

For Our Brand NEW Electronic Starter Kit see page 150

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 190.*

5" Wire Cutter/Strippers

- Insulated handles
- Spring return
- Tempered steel cutting edge
- Size: 5.0"L x 3.0"W
- One-year warranty

78992: 10-30 AWG (screw adjustable)
215889: 10-24 AWG (dial to adjust for wire gauge)

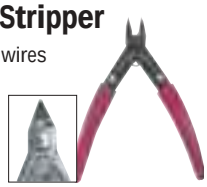
78992 215889

Part No.	Product No.	1	5	25	100
78992	HT108ℛ	$4.49	$3.95	$3.49	$2.95
215889	JE-2022Cℛ	3.95	3.69	3.29	2.95

★ *Cutters / Strippers — Enter Web Code BAK*

5" Wire Cutter/Stripper

- Strips and cuts 20-24 AWG wires
- Spring loaded for easy use
- Cutter angled at 45° for use in tight places
- Insulated grips
- Size: 5.0"L x 3.0"W



Part No.	Mfr. Part No.	1	5	25	100
159274	HT1091ℛ	$4.95	$4.49	$3.95	$3.49

6" Wire Cutter/Strippers

- Plier nose
- Wire size markings, in AWG and mm
- Size: 6.0"L x 2.0"W

161226: Premium
- 12-20 AWG stranded; 10-18 AWG solid

161234: Premium
- 16-26 AWG stranded; 14-24 AWG solid

161218: Standard
- 16-26 AWG stranded; 14-24 AWG solid
- Color: red

161226 161234

Part No.	Mfr. Part No.	Description	1	5
161226	ID45-215ℛ	Cushioned grips	$15.95	$14.95
161234	ID45-216ℛ	Cushioned grips	15.95	14.95
161218	ID45-121ℛ	Non-cushioned grips	14.49	12.95

6.6" Wire Stripper

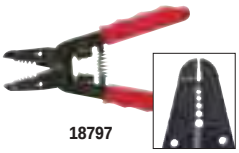
- Wire stripper, cutter, steel wire cutter, and wire loop
- Scale: AWG and mm
- Strips and cuts wires from 20-30 AWG
- Size: 6.6"L x 2.0"W

Part No.	Mfr. Part No.	1	5	25
159291	HT5023ℛ	$9.95	$8.95	$7.95

★ *Wire Strippers — Enter Web Code HAY*

7-in-1 Wire-Handling Tools

- Wire stripper, wire cutter, steel wire cutter, pliers and wire loop
- Solderless crimping tool
- Scale: mm and inch
- Size: 6.6"L x 3.0"W


18797

Part No.	Mfr. Part No.	Description	1	5	25
18797	HT1041ℛ	10-18AWG	$5.95	$5.49	$4.95
127862	HT1042ℛ	16-26AWG	5.95	5.49	4.95
127871	HT1043ℛ	22-30AWG	5.95	5.49	4.95

Automatic Wire Stripper

- Spring load grip
- Size: 7.0"L x 2.5"W
- Weight: 0.8 lbs.

Includes: Wire stopper for desired strip length

Part No.	Description	1	5	25
175098	Strips 8-22 AWGℛ	$16.95	$15.49	$13.95

Hand Tools for Mini-Fit™ Jr.

molex

304928

304936

304928: Accepts wire range from 14-24 AWG

Part No.	Mfr. Part No.	Description	1	5
304928	63811-1000	Crimp tool	$49.95	$44.95
304936	11-03-0044	Extraction tool	19.95	18.95

Metal Modular Connector Crimping Tool

- Cable stripper/wire cutter
- Size: 8.0"L • Wt.: 1.8lbs.
- Crimps 6P and 8P plugs (6P2C, 6P4C, 6P6C, 8P2C, 8P4C, 8P6C, 8P8C)

Part No.	Description	1	5	25
114527	RJ11/RJ45ℛ	$22.95	$19.95	$17.95

Ratcheted Modular Connector Crimping Tool

- Insulated grip
- Ratcheted type
- Metal • 7.5"L
- Crimps RJ45 (8P8C) and RJ11/12 (6P6C) • Weight: 0.7 lbs.

Part No.	Description	1	5	25
159312	RJ45/11/12ℛ	$22.95	$19.95	$17.95

Modular Cut/Crimp/Strip Tools

For RJ11 (6P) and RJ45 (8P) Modular Plugs

- Repeatable crimp action for consistent high-quality connections

Includes: Cut and strip blade

174676

174684: • Size: 8.0"L x 2.0"W • Weight: 0.8 lbs.

174676: • Size: 8.5"L x 2.2"W • Weight: 1.2 lbs.

161091

161091: • Size: 6.0"L x 2.0"W • Weight: 0.8 lbs.

Part No.	Mfr.	Cross Ref. No.	1	5
174684	Various	TTK071	$23.95	$21.95
174676	Various	TTK070	25.95	23.49
161091	Ideal	ID30-496ℛ	49.95	45.95

Modular Connector Crimping Tool Set

JAMECO ValuePro

- 8" metal modular crimping tool
- Cuts, strips and crimps
- Crimps RJ11 and RJ45 plugs
- Carrying case: blue hard plastic, 8.0"L x 10.5"W x 2.0"H
- Weight: 2.1 lbs.

Includes: 90 modular plugs, 40 pcs. 4P4C, 30 pcs. 6P6C, 20 pcs. 8P8C

Part No.	Product No.	1	5
73496	HT2000B	$75.95	$69.95

Hex Crimp Tools

- Use with RG-58 and RG-59 connectors with up to a 3/8" ferrule

261745: 1.7mm standard crimp for crimping center conductor on BNC & TNC connectors; up to 3/8" ferrule
261737: Ferrules up to 1/2"

261745

Part No.	Description	1	5
261745	Hex crimp tool (3/8")	$19.95	$18.95
261737	Hex crimp tool (1/2")	19.95	18.95

Connector Compression

Designed to compress ferrules of "F"/BNC/RCA connectors. Black oxide steel frame with interchangeable die sockets, ratchet mechanism with manual release disengages after a complete cycle securing a fully compressed ferrule. Integrated coax cutter for cutting cables to appropriate lengths.

Part No.	Description	1	5
261761	Compression multi-tool	$39.95	$35.95

Non-Insulated Terminal D-Sub Crimping Tool

14-26 AWG

- With cutter and insulated handles
- For computer pins and sockets, D-sub 26-28 AWG wire
- For butt-insulated connectors, 22-26 AWG wire
- For telephone spade lugs, 22-26 AWG wire
- For non-insulated connectors, 20-22 AWG wire
- For non-insulated connectors, 14-18 AWG wire
- Coiled spring return • Size: 7.3"L x 1.5"W

Part No.	Mfr. Part No.	1	5	25
99443	HT202Aℛ	$8.95	$7.95	$6.95

★ *Crimping Tools — Enter Web Code PAL*

D-Sub Crimping Tool

20-28 AWG

- Crimps D-sub pins and sockets
- For use w/ P/Ns 43377, 43369 pg 68 and 100766, pg 80
- Size: 7.0"L x 4.0"W

Part No.	Mfr. Part No.	1	5	25
159266	HT213ℛ	$10.95	$9.95	$8.95

Ratcheted BNC Crimping Tool

- Crimps RG58, RG59, RG62, RG174 and fiber optic
- Hex sizes: 0.043", 0.068", 0.100", 0.137", 0.213", 0.255"
- All steel construction
- Size: 8.5"L x 2.5"W • Weight: 1.1 lbs.

Part No.	Mfr. Part No.	1	5	25
114535	HT-336Gℛ	$22.95	$19.95	$17.95

We're Listening to What You Need

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronic needs. Send feedback to Feedback@Jameco.com.

Test/Tools

★ *For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Xcelite General Purpose Pliers and Cutters

Needle Nose, Diagonal Pliers and Cutters

- Cushion grips
- General purpose use
- Positive gripping of wire & subminiature components
- Narrow and fine tips provide increased clearance and allows use in restricted areas

217891 | 217998 | 152055 | 217921 | 217904 | 217867 | 146739 | 146712

Needle Nose Pliers

Part No.	Mfr. Part No.	Description	1	5
217891	L4R	4" mini needle nose	$17.95	$16.49
217998	LN54GR	5" thin long nose	18.95	17.49
146721	NN7776VR	5" long nose flat	19.95	18.95

Shearcutter Pliers Set

Part No.	Mfr. Part No.	Description	1	5
152055	S2KR	5.6" plier/5.2" cutter	$16.95	$15.95

★Xcelite Pliers & Cutters — Enter Web Code XPC

Diagonal Cutters

Part No.	Mfr. Part No.	Description	1	5
217921	MS54JR	4" oval head-flush	$17.95	$16.95
1536974	S475NJSR	4" relieved head-flush	16.95	15.95
217904	MS549JR	4" tapered head-flush	17.95	16.95
217867	MS545JR	4" slim-line tapered-flush	16.95	15.95
146739	MS54VR	4" diagonal semi-flush	16.95	15.95

Micro Series Wire Cutter

Part No.	Mfr. Part No.	Description	1	5
146712	170MR	6" cutter flush	$6.49	$5.95

EXIMCORP Pliers and Cutters

Diagonal, Needle Nose, Nipper, Square, Bent Nose, Sportsmen & Electrician Pliers

- General purpose for picking-up, cutting and wire forming
- Forged steel
- Heat treated
- Insulated grips
- Blister packaged

34607 | 42104 | 34674 | 34796 | 94512 | 94562 | 98993 | 104125

Diagonal Flush Cutters

Part No.	Description	1	5	25
34622	4.5" spring loaded	$4.95	$4.49	$3.95
34607	5" spring loaded	4.95	4.49	3.95
34658	5.25" heavy duty	5.49	4.95	4.49

Needle Oval Nose Pliers with Serrated Jaws

Part No.	Description	1	5	25
42104	5.25" standard	$5.95	$5.49	$4.95

Needle Oval Nose Cutters with Serrated Jaws

Part No.	Description	1	5	25
34691	7.75" spring loaded	$4.95	$4.49	$3.95
34712	5.25" spring loaded	5.49	4.95	4.49

Needle Oval Long Nose Pliers w/Serrated Jaws

Part No.	Description	1	5	25
34674	7" spring loaded	$6.95	$6.25	$5.59

Bent Oval Nose Pliers with Serrated Jaws

Part No.	Description	1	5	25
34796	5" standard bend	$4.95	$4.49	$3.95
34826	6" slim spring loaded	5.95	5.49	4.95
34851	7" standard bend	5.95	5.49	4.95

★EXIMCORP Pliers & Cutters — Enter Web Code EXP

Bent Oval Nose Cutters with Serrated Jaws

Part No.	Description	1	5	25
34746	5.25" standard bend	$4.95	$4.49	$3.95
34762	7" standard bend	5.95	5.49	4.95

Square Nose Cutters with Serrated Jaws

Part No.	Description	1	5	25
94512	5.5" standard w/o cutter	$5.49	$4.95	$4.49
94530	4.75" spring loaded w/ cutter	4.95	4.49	3.95
94546	5.25" standard straight	5.95	5.49	4.95

Nipper Nose Pliers Spring Loaded

Part No.	Description	1	5	25
94554	4.25" standard	$4.95	$4.49	$3.95
94562	5.25" slim	5.95	5.49	4.95

Sportsmen's Square Straight & Bent Nose Pliers

Part No.	Description	1	5	25
98976	6.25" standard straight	$5.95	$5.49	$4.95
104257	8" standard straight	6.95	6.25	5.59
98985	5.25" standard bent	5.95	5.49	4.95
98993	7.5" standard bent	6.95	6.25	5.59

Electricians Pliers with Serrated Jaws

Part No.	Description	1	5	25
104125	6.25" standard with cutter	$5.95	$5.49	$4.95
104249	8.25" standard with cutter	6.95	6.25	5.59

Half-Round Long Nose Pliers

- Drop forged steel
- Heat treated
- Spring return action
- Vinyl grips
- Length: 4.5"
- Knurled jaws

Part No.	Description	1	5	25
177608	Half-round pliersR	$4.95	$4.49	$3.95

The Best Warranty in the Industry

All Jameco purchases are guaranteed for a full 90 days and even longer for Jameco House Brands.

Precision 5-Piece Stainless Steel Pliers Set

- Spring return
- Insulated handles

Includes: One 3.5"L micro cutting nippers and one each 4"L micro round nose pliers, long nose pliers, flat nose pliers and bent nose pliers

Part No.	Description	Wt. (lbs.)	1	5	25
73121	5-piece setR	0.6	$17.95	$15.95	$13.95

Cutting Pliers

179902 | 261789 | 261810

- Side and flush cutting

179902:
- Forged steel
- Cushion grip

261789/261810:
- Carbon steel
- Vinyl grip

Part No.	Description	1	10	50
179902	4" leaf springR	$3.95	$3.59	$3.29
261789	5" leaf springR	5.95	5.49	4.95
261810	5" spring returnR	4.95	4.49	3.95

5.3" Flat and Half-Round Long Nose Pliers

35474

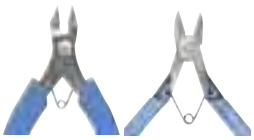
- Stainless steel
- Spring return
- Durable rubber handles
- 5.3" length w/ 1.4" plier nose

35474/35491: Knurled jaws

195531: Smooth jaws

Part No.	Description	1	10	50	250
35474	Flat long noseR	$4.95	$4.49	$3.95	$3.49
195531	Flat long nose	5.95	5.49	4.95	4.49
35491	Half roundR	4.95	4.49	3.95	3.49

Diagonal Wire Cutters



35482 | 161411

- Jaws are designed for flush cutting
- Cuts component wire up to 1.2mm thick
- 0.5" cutting blade

35482: 4.3" Cutter
- Durable rubber handles
- Stainless steel

161411: 5" Cutter
- Cuts 0.08mm fine wire
- Insulated handles

★Web Code: HAF

Part No.	Size	1	10	50
35482	4.3"L x 2.1"WR	$6.95	$6.49	$5.95
161411	5.0"L x 1.8"W	6.95	6.49	5.95

JAMECO BenchPro Mini-Drill and Stand

This Mini-Drill is excellent for drilling through circuit boards and protoboards. The drill comes with an array of drilling, grinding and sanding attachments. Drill stand is designed to function like a drill press.

Part No.	Description	Wt. (lbs.)	1	5	25
26702	GTT-103A drill	0.8	$34.95	$31.95	$27.95
26711	GTT-104 stand	1.8	25.95	23.95	21.95

R RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

PC Board Drill Bits

- Shaft diameter: .125"
- Use for drilling holes in glass PC boards

Part No.	Size	Dia.	1	10	100
1919537	1/8	.125"	$.99	$.75	$.59
1919588	31	.120"	.99	.75	.59
1919300	32	.116"	.99	.75	.59
1919609	33	.113"	.99	.75	.59
1919553	35	.110"	.99	.75	.59
1919570	38	.102"	.99	.75	.59
1919502	45	.082"	.99	.75	.59
1919596	46	.081"	.99	.75	.59
1919561	48	.076"	.99	.75	.59
16580	59	.040"	1.75	1.49	.99
16619	75	.021"	1.75	1.49	.99

High-Speed Steel Step Drill Bit

Drill multiple holes in thin material with the same bit, faster and easier. Each bit does the work of many drill bit sizes. You can drill holes in most materials such as plastic, metal, and wood up to 1/8" thick.

- Shank size: 3/8" • 2.4" long

Part No.	Description	1	10	50
229657	3/16" – 7/8" 13-step	$14.95	$13.49	$11.95

★ *Drill Bits — Enter Web Code NEJ*

Need special orders or pricing? Call us at 1-800-831-4242

32-Piece Security Bit Set

JAMECO BenchPro

These bits match the security fasteners commonly used in today's electronic products.

Includes: Torx bits: #6, #8 and #10; Tri-wing bits: #1, #2, #3 and #4; Security hex bits: 5/64", 3/32", 7/64", 1/8", 9/64", 5/32" 3/16" and 1/4"; Security Torx bits: T8, T10, T15, T20, T25, T27, T30, T35 and T40; Spanner bits: 4, 6, 8 and 10mm; Phillips bits: #1, #2, #3 and #4; and 60mm magnetic bit extension that fits 1/4" hex driver

Part No.	Description	1	10
223829	32-piece security bit set	$10.95	$9.95

Ball-End, Hex Key and Screwdriver Sets

JAMECO BenchPro

NEW MARKED IN PINK

Bondhus/Telo Products: Inferior tools cost money when something goes wrong. The cost of removing a stripped or broken screw head from a tight location, or replacing a damaged tool exceeds the cost of purchasing a superior tool in the first place.

★ *Web Code: CAQ*

- Material: Protanium high torque steel
- Ergonomically designed anti roll handle
- Bondhus: made in USA; Telo: made in Germany
- Ball-end inserts quickly into screw head up to 250
- Delivers perfect balance between tip strength and working angle
- Life time warranty

Part No.	Mfr.	Description	1	10
34041	BenchPro	6-pc. precision screwdriver set (slotted – 3/64", 1/16", 5/64", 5/32", 1/8", 9/64")	$2.95	$2.59
34059	BenchPro	6-pc. precision screwdriver set (Phillips #0 – 1/16", 5/64", 3/32", #1 – 1/8", 9/64")	2.95	2.59
2096229	Telo	6-pc. screwdriver set (slotted – 9/64"; 5/32"; 7/32"; 1/4"; Phillips – #1; #2)	37.95	35.95
99451	BenchPro	6-pc. long neck screwdriver set (slotted – (Dia. x L) 3/32" x 6 5/8", 1/8" x 7 5/8", 5/32" x 9 5/8", Phillips – #00 x 6 5/8"L, #0 x 7 5/8"L, #1 x 9 5/8")	8.95	7.95
226106	BenchPro	6-pc. precision 50 mm torx screwdriver set (Torx – T5, T6, torx hex – T7, T8, T9, T10)	13.95	11.95
2096350	Bondhus	8-pc. ball-end screwdriver set (.05", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16")	21.95	19.95
2096499	Bondhus	16-pc. folding hex key set (5/64", 1/4"; 2mm to 8mm)	13.95	12.49
2096173	Bondhus	12-pc. ball-end hex key set (.05"; 1/16"; 5/64";3/32"; 7/64"; 1/8"; 9/64"; 5/32"; 3/16"; 7/32"; 1/4", 5/16"	12.95	11.95
261999	BenchPro	7-pc. 1000V insulated magnetic screwdriver set (slotted – 2.5mm)	15.95	14.49
2096456	Telo	7-pc. 1000V insulated screwdriver set (slotted – 3/32"; 1/8"; 9/64"; 5/32"; 7/32"; Phillips – #1; #2)	32.95	29.95
99565	BenchPro	6-pc. screwdriver & plier set (slotted – (Dia. x L) 0.09" x 7 5/8", 0312 x 9 1/2", Phillips – #2 0.09" x 7 5/8", #0 0.12" x 9 1/2", pliers – micro nipper cutter, micro flat nose pliers)	14.95	13.49
261842	BenchPro	7-pc. SAE nut driver set w/ colored handles (sizes: 3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2")	6.95	5.95
226094	BenchPro	11-pc. magnetic AWL prec. screwdriver set (slotted – .9, 1.2, 1.4, 1.8, 2.4, 3 mm, Phillips – #00, #0, #1)	3.95	2.95
2096165	Bondhus	12-pc. screwdriver bit set w/ screwdriver (slotted – 1/8"; 5/32"; 7/32"; 9/32"; POZI - #1; #2; Phillips – #0; #1; #2; Torx - #15; #20)	24.95	22.95

Pocket Screwdriver

JAMECO BenchPro

Phillips & Flat head ★ *Web Code: CAQ*

- Pen clip for pocket storage

Part No.	Description	1	10	100
127271	6' long pocket screwdriver	$1.95	$1.59	$1.39

Impact Punch-Down Tools

- Reversible clip-in blade
- Adjustable (HI-LO) spring-loaded impact mechanism
- Storage bin on handle for spare blade

175071: Tool with blade

- For 66-type terminals
- Size: 5.2"L x 1.5"W x 1.0"H

324014: Tool with blade

- For 110-type terminals
- Size: 5.8"L x 1.7"W x 1.2"H

★ *Web Code: PBC*

175089: Punch-down blade 110-type terminals
324021: Punch-down blade 66-type terminals

Part No.	Description	1	5
175071	Tool with 66 blade	$29.95	$27.95
324014	Tool with 110 blade ℛ	29.95	27.95
175089	Punch-down blade 110	9.95	8.95
324021	Punch-down blade 66 ℛ	9.95	8.95

Automatic Center-Punch Tool

Adjustable

- Precision instrument
- Alloy steel point
- Knurled steel body
- Size: 5.0"L x 0.5"Dia.

Part No.	Description	1	10
160282	Center punch tool	$5.95	$5.49

30 AWG Wire Wrap/Strip Tools

Recommended for use on 0.025" (0.63mm) square posts on 0.100" (2.54mm) center grids. The first 1-1/2 loop on the modified tool has wire insulation while all loops on a regular tool have bare wires.

- Knurled handle for easy grip
- 5" long

Part No.	Description	1	5
242801	Tool (regular)	$19.95	$18.95
242798	Tool (modified)	22.95	21.95
242827	Replacement tip (242801)	7.95	7.29
242819	Replacement tip (242798)	7.95	7.29
242835	Replace stripper assembly	5.95	5.49

Strip-Wrap-Unwrap Tools

- Tool tip made of tempered steel
- Spring steel cutter
- Use with 30 AWG wire on .025" square posts
- No solder necessary, see pg 57 for wire
- Wrap 1 to 2 turns of insulated portion of wire for secure connections • 4.5" long

★ *Web Code: BBC*

Part No.	Product No.	1	5
34585	HSM30 (Modified)	$49.95	$44.95
236785	HSR30 (Regular)	29.95	25.95

1/4-Watt & 1/2-Watt Resistor & Capacitor Lead Forming Tool

- Watt size indicates appropriate package size
- Bends lead length in 0.05" increments
- Lead spacing: 1/4W: 0.4"-1.5"; 1/2W; 0.5"-1.5"
- Size: 5.4"L x 1.5"W

Part No.	Description	1	10
106884	1/4W & 1/2W	$4.95	$4.49

★ *For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Nibbling Tool

18810

- Perfect for cutting, trimming, or notching sheet metal up to 18 AWG
- Time-saver when working on prototyping, chassis, and circuit boards
- Minimum .375" hole required • Size: 7.8"L

Part No.	Mfr. P/N	Description	1	10
18810	HT204	Nibbling tool ℛ	$7.95	$6.95
29331	HT204B	Replace. bit ℛ	3.95	3.55

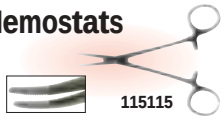
Deluxe Precision Knife Set

- Three different knife handles – fine work, medium and heavy duty power grip
- Size: 6.3"L x 2.8"W x 1.4"H

Includes: 13 types of blades

Part No.	Description	1	10	100
72768	13 blade knife set	$8.95	$7.95	$6.95

5" Steel Hemostats


115115

- Grade 410 A.I.S.I. stainless steel
- Three locking positions

Part No.	Cross Ref. No.	Description	1	10	100
115107	HEMO1	Straight	$3.95	$2.95	$2.49
115115	HEMO2	Curved	3.95	2.95	2.49

Metal Dial Calipers

Choose Metric or Inches

116126

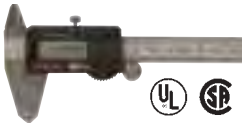
- For accurate measurements every time
- Measures outside, inside and depth
- Easy-to-read dial gauge
- Length: 6" (150mm)
- Materials: metal • Color: silver

Includes: Fitted plastic storage case

Part No.	Description (min. reading)	1	5	25
116134	Metric (.02 mm)	$25.95	$23.95	$21.95
116126	Inches (.001 inch)	25.95	23.95	21.95
684449	Metric/Inches	27.95	25.95	23.95

Digital Display Caliper

Metric and Inches



- Hardened stainless steel
- Display: inches to 0.001; mm to 0.01
- Instructions for making internal, external, depth & step measurements • One-year warranty
- Calipers measure to 6 inches/150mm

Includes: Fitted case and 1.5V silver oxide battery (replacement battery, P/N 140783, pg 146)

Part No.	Description	1	5
127482	Digital disp. caliper	$39.95	$36.95

★ *Calipers — Enter Web Code PAQ*

IC Pin Straightener

Straighten bent pins safely and easily with Jameco's IC pin straightener.

- Straightens 8/14/16/18/20/24/28/40/42-pin ICs
- Materials: black plastic • Size: 3.3"L x 1.5"W x 0.4"H

Includes: Ground terminal

Part No.	Description	1	10	100
99363	IC straightener ℛ	$7.95	$6.95	$5.95

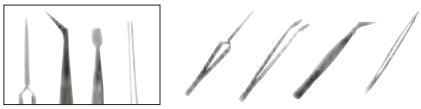
T-Handle Reamer Tool

Excellent for aluminum chassis work

- For enlarging starter holes on panel mount components from 1/8" to 1/2" diameter
- T-handle for easy rotation of tool
- Handle: 3.3" long, tool: 5.3" long

Part No.	Description	1	10
151750	T-handle reamer ℛ	$7.95	$6.95

4-Piece Steel Tweezer Set

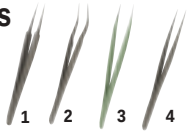


- 4 styles of stainless steel tweezers, one self-locking
- Ideal for picking up small components in hard-to-reach places

Part No.	Description	1	10	100
10735	4-piece tweezer set	$5.95	$5.49	$4.95

★ *Tweezer Sets — Enter Web Code FAA*

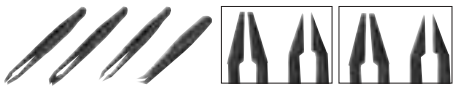
Tweezers



252929: Straight round tapered, fine-point tip, stainless steel
253092: Curved fine-point tip
252938: Self-closing reverse-action tweezers; medium point tip; stainless steel
253113: Fine-point tip, insulated, anti-static
252912: Straight fine-point tip

Part No.	Length	Photo	1	10	100
252929	4.75"	1	$2.95	$2.49	$1.95
253092	4.6" ℛ	2	2.95	2.49	1.95
252938	4.30" ℛ	2	2.95	2.49	1.95
253113	4.75" ℛ	3	2.95	2.49	1.95
252912	4.75" ℛ	4	2.95	2.49	1.95

4-Pc. Conductive SMD Tweezer Set



- 4 types of tweezers: fine point, flat head for 4mm SMD chip device, flat head for 8mm SMD chip device, sharp angled tip • Each is 4.5" long

Part No.	Description	1	10
172638	4-piece tweezer set	$9.95	$8.95

Vacuum Tweezers

Pick & place small parts of all kinds: glass slides, coins, optics, SMDs, film, etc.

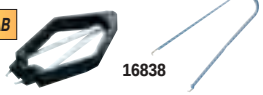
- Size: 2.9"L x 0.6"W
- One-year warranty

Includes: 5 pads sizes 0.14" to 0.4"; 5 straight tips and 2 pieces 45° angle tips

Part No.	Description	1	5
88268	Vacuum pick & place kit	$39.95	$36.95

PLCC & DIP IC Extractors

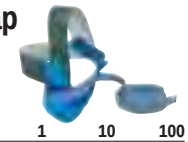
★ *Web Code: MAB*


16766 16838

- Size: 4.0"L x 2.0"W

Part No.	Mfr. Part No.	Description	1	10	100
16766	HT103B	PLCC	$3.95	$3.49	$2.95
16838	HT103A	DIP	1.65	1.49	1.25

Anti-Static Heel Strap



- Discharges static without restricting your mobility
- Ground strap: 15.5"L

Part No.	Description	1	10	100
100328	Heel strap ℛ	$5.95	$5.49	$4.95

Anti-Static Wrist Strap

- Comfortable, adjustable black Velcro wrist strap
- The coiled grounding cord has banana plug and alligator clips
- Extended cord: 9' long

Includes: 1MΩ resistor for added safety

Part No.	Description	1	10	100
34552	Wrist strap ℛ	$6.95	$6.49	$5.95

Anti-Static Work Mats

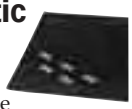
236541

Make your work environment safe from static discharge! These mats are made of attractive semi-conductive vinyl that provide adequate discharging, yet will not short leads or pins.

Part No.	Dimensions	Wt. (lbs.)	1	10	100
10576	11.3" x 22" ℛ	0.7	$8.95	$7.95	$6.95
10584	19.5" x 23.5" ℛ	1.1	13.95	12.49	10.95
236541	23.5" x 27.5" ℛ	1.4	25.95	22.95	19.95

★ *Anti-Static — Enter Web Code XAA*

Conductive Anti-Static Bags and Foam


13864

Don't get zapped!

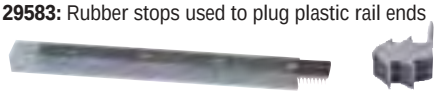
Protect your investment with these inexpensive bags and ensure a safe work area with our conductive anti-static foam.

13864: 24.0"L x 12.0"W x 0.25"H

Part No.	Description	1	10	100
249519	4" x 6" anti-static bags	$.25	$.15	$.10
249527	5" x 7" anti-static bags	.29	.19	.12
78650	8" x 10" anti-static bags	.49	.39	.29
13864	Anti-static foam	11.95	10.95	9.95

22"L Anti-Static Plastic DIP IC Storage Rails & Rubber Rail Stops

29516: .300" rail fits 8, 14, 16, 18, 20 and 22-pin ICs
29524: .600" rail fits 24, 28, 36 and 40-pin ICs
29583: Rubber stops used to plug plastic rail ends


29524 (ICs not included) 29583

✳ Order in multiples of 10

Part No.	Cross Ref. No.	Description	1	10	100
29516	RIC20	.300"W rail	$.25	$.22	$.19
29524	RIC220	.600"W rail	.29	.25	.19
29583	RRS	Rubber stop ✳		.07	.05

24" Joubert Bungee Cord

- Braided jacket cover
- 2.75" steel hook height
- 0.81" steel hook opening
- 0.16" thick PVC coated steel hook
- Blue cord with black coated hook
- Stretches easily to 48"

Part No.	Product No.	1	10	100
2081668	JBC24	$.99	$.89	$.69

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 190.*

Magnifying Lamps, Heat Guns & Soldering Equipment

JAMECO BenchPro 3X Magnifying Lamps

- 5" Dia. lens • 45" extension arm
- Supplied w/ 22-watt circuline tube
- Extra strong, all-metal mounting base with electrical outlet
- New wire clip design permits easy installation
- Metal bulb holder for extra protection • 3-diopter lens
- Power reqirement: 110VAC/60Hz • Weight: 7.3 lbs.

Part No.	Description	1	5
100829	Black lamp	$59.95	$54.95
149981	White lamp	59.95	54.95

JAMECO BenchPro Standard Adjustable 3X Magnifying Lamp

- 4" Diameter lens
- Maneuverable 30" arm extension
- Lamp tilts & turns in any direction
- Uses 60W incandescent bulb (not included)
- Power requirement: 110VAC/60Hz
- 3-diopter lens • Weight: 2.9 lbs.

Part No.	Description	1	5
22710	Magnifying lamp	$26.95	$23.59

JAMECO BenchPro 3X, 3-Bulb Magnifying Lamp

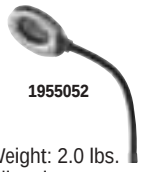
Three 9-watt compact fluorescent bulbs located at the side and top of the lens provide superior lighting to your workspace or job at hand. The integral spring-balance arm reduces the chance of pinched hands from springs, and provides a sleek clean look.

- Adjustable 3-diopter lens • 7" x 4.5" rectangular lens
- 47" long arm • 2 on/off buttons
- Color: beige • UL listed • Weight: 8.15 lbs.

Part No.	Description	1	5
217517	Adj. magnifying lamp	$89.95	$84.95

JAMECO BenchPro KLIP-ON Deluxe 3X Magnifying Lamps

Ideal for limited workspaces in home or office.



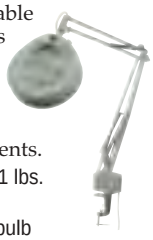
1955052

- High quality 3.5" Dia. glass lens w/ dust cover
- Heavy duty 2" spring loaded clamp
- Super bright 13 watt fluorescent bulb (6400 Kelvin) included • Weight: 2.0 lbs.
- 16" gooseneck-directs light in any directions

Part No.	Mfr. Part No.	Color	1	5
1955044	LUX250W	White	$34.95	$31.49
1955052	LUX250B	Black	34.95	31.49

XYTRONIC Precision 5 Diopter Magnifying Lamp

The arm extends to 40", is adjustable to any direction or angle, and has a 5 diopter lens. This is the perfect tool to help identify small electronic components and magnify a printed circuit board to help solder electronic components.



- 5" diameter lens • Weight: 7.1 lbs.
- Power requirement: 110VAC/60Hz

Includes: 22W circuline fluorescent bulb

Part No.	Description	1	5
197456	Magnifying lampℛ	$99.95	$89.95

★ *Magnifying Lamps — Enter Web Code DAW*

General Purpose Illuminated 3X Magnifier

- 3.75"Dia. x 7.5"L
- Great for magnifying fine print
- 75mm diameter lens
- Light requires 2 AA batteries (not included, recommend P/N 198707, pg 146)

Part No.	Description	1	5
149542	Illuminated magnifier	$4.95	$4.49

3X Flexible Neck Magnifier

- 3.5" diameter
- 3x diopter lens
- Flexible gooseneck with workbench clamp
- Arm length: 20"
- Weight: 1.8 lbs.

Part No.	Description	1	5
239548	Flexible neck magnifier	$10.95	9.95

Heat Guns and Strippers

All Master products are made in the US from superior quality materials and the finest craftsmanship. Heat guns are ideally suited for drying, heating, welding, shrinking, soldering, desoldering, and many other applications where heat is required.

254925 76865 2076578 2076501 191943 2007062 217816 217832

NEW MARKED IN PINK

2076578: • CFM selectable • Includes 4 attachments & case • Weight: 1.0 lb.

2076501: • No slip adjustable stand • Weight: 4.0 lbs.

191943: • 3-pos. switch (hot/off/cool)

Web Code: QAJ

Part No.	Mfr.	Mfr. Part No.	Description	Watts	Heat Setting (˚F)	Temp. (˚F max.)	1	5
254925	BenchPro	1001Aℛ	Economical heat gun	1000	600 & 1000	1000	$39.95	$35.95
76865	BenchPro	G1HG1	Heat gun/stripper	1500	600 & 1100	1100	39.95	35.95
2076578	Master	EC-100Kℛ	Economical heat gun (7 & 9 CFM)	1200	500 & 1000	1000	54.95	51.95
2076501	Master	HG-501Aℛ	Industrial heat gun (23 CFM)	1680	750	750	114.95	104.95
191943	Weller	6996Cℛ	Industrial heat gun	250	750-800	800	139.95	129.95
2007062	BenchPro	1004ℛ	Tool kit for 254925	—	—	—	12.95	11.95
217816	BenchPro	HG018-AO	Heat shrink attach for 76865	—	—	—	1.95	1.69
217832	BenchPro	HG018-CO	Air spreader for 76865	—	—	—	1.95	1.69

Glue Gun and Glue Sticks

- Adheres to PCBs, cardboard, wires, metal and cloth
- Silicon nozzle
- Electronic heating
- Trigger action
- Utilizes 100mm long gluesticks (2 sticks included) • Size: 7.3"L x 6.3"W

Part No.	Description	1	5	25
72696	Glue gun	$7.95	$7.29	$6.49
78633	Glue sticks (6/pk)	2.95	2.49	1.95

MASTER Butane Powered Mini Trigger Torch

- Adjustable gas flow up to 2500˚F
- Self-igniting piezo electric ignition
- Meets child safety requirements
- Slide lock for continuous use
- 60 min. burn time

NEW MARKED IN PINK

Part No.	Mfr. Part No.	1	6
2097483	MT-70	$19.95	$17.95
2097491	5 1/8 oz. butaneℛ	5.49	4.95

MASTER Table-Top Micro Torch

- Flame temp. approx. 2500˚F
- Self-igniting system w/ safety lock
- Wide stable base, perfect for lab use
- Safety lock to prevent unintentional ignition and for storage
- Educational lab burner applications
- Slide lock for continuous use
- 60 min. burn time

NEW MARKED IN PINK

Part No.	Mfr. Part No.	1	6
2097467	MT-30	$36.95	$34.95
2097491	5 1/8 oz. butaneℛ	5.49	4.95

Magna-Lite Butane Table-Top Torch

- Flame temperature: 2500˚F (1300˚C)
- Waterproof piezo ignition
- Adjustable flame control
- Refills in 20 seconds with standard butane gas
- Run time: 60 minutes (@ middle flame setting)
- Child-resistant ignition for safety
- Uses: brazing, soldering, heat shrink tubing, industrial maintenance

Part No.	Mfr. Part No.	1	5
1943001	ML200	$29.95	$26.95

Weller Magna-Lite Butane Soldering Pencil

- Piezo electronic ignition system
- Adjustable gas flow valve controls temperature range
- Temperature range: 750˚F to 900˚F
- Up to 30 minutes continuous use on medium setting
- Window allows you to see gas level
- Can be used as a torch when tip is removed

Includes: 1.6mm conical tip

Part No.	Mfr. Part No.	1	5
1943051	ML500MP	$15.95	$14.95

Butane Powered Cordless Soldering Iron

- Built-in on-off switch
- Can be used as a torch or hot blower
- Length: 8.5"
- Maximum temperature: 450°C (842°F)
- Average use of 40 minutes on a full load

Part No.	Mfr. Part No.	1	5
645520	GASIRON2	$24.95	$21.95

Test/Tools

★ *For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

16 to 30-Watt Variable Soldering Iron & Stand

116572: Length: 7.5"
36329:
- Black anodized steel base – 5.3"L x 3.3"W
- See below for replacement sponge (P/N 134631)
- Fits most soldering irons .85" dia.

Includes: Sponge

Part No.	Description	1	5	25
116572	258VL soldering iron℞	$19.95	$17.95	$15.95
36329	Soldering stand℞	4.95	4.45	3.95
134631	Sponge (for P/N 36329)	2.95	2.59	2.29

25-Watt Thermally Balanced Soldering Iron

The XY200GX is a thermally balanced soldering iron for the professional or hobbyist.

- 120VAC; 6' cord
- 25-watt power consumption
- Interchangeable tips (pg 165)
- UL listed
- Length: 8.0"
- One-year warranty

Includes: 1.6mm conical tip

Part No.	Mfr. Part No.	1	5	25
129040	200GX-25W℞	$13.95	$11.95	$9.95

25-60-Watt High-Performance, Economical Soldering Irons

High-quality soldering irons that are suitable for both professional & do-it-yourself applications.

- Length: 9"
- 120VAC; 6' cord with 3-prong plug
- Tips for P/Ns 224611/224602: P/Ns226018/226000
- Tip for P/N 195223: P/N 226026
- For additional tips see pg 165

Part No.	Mfr. Part No.	1	5	25
224611	200PHG-25W℞	$10.95	$9.95	$8.95
224602	200PHG-40W℞	11.95	10.95	9.95
195223	200PHG-60W℞	12.95	11.49	10.49
226018	44-240513 conical tip℞	1.95	1.59	1.29
226000	44-240517 chisel tip℞	1.95	1.59	1.29
226026	44-240617 chisel tip℞	1.95	1.59	1.29

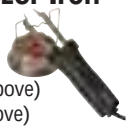
35-Watt SMD Tweezer Iron

- **Max. temperature:** 760˚F
- Maximum efficiency ceramic heating elements insures rapid heat-up and instant heat recovery
- 120VAC
- Heater insulation exceeds 100MΩ
- Heater power consumption: 35W ea.

Includes: 0.078" tip

Part No.	Description	1	5	25
168410	Tweezer iron℞	$54.95	$49.95	$44.95
168583	Tip .078"℞	9.95	8.95	7.95
168591	Tip .590"℞	11.95	10.95	9.95

50-Watt SMD Tweezer Iron



168401 Includes: 0.078" tip
236460: Replacement sponge
168583: 0.078" replacement tip (see above)
168591: 0.59" replacement tip (see above)

Part No.	Mfr. Part No.	For Use With	1	5
168401	TWZ50ESD℞	XY9-60A	$49.95	$44.95
236460	78-744615℞	XY9-60A	2.95	2.59

Weller® 25 & 35-Watt High-Quality Soldering Irons

- 120VAC @ 60Hz
- Interchangeable heater elements
- Lightweight handle with cushioned grip
- Quick change knurled collar
- Length: 9"

Includes: Power cord & ST3 tip (pg 163)

Part No.	Mfr. Part No.	Description	1	5
170587	WP25℞	25W solder iron	$39.95	$37.95
192102	WP35℞	35W solder iron	47.95	45.95
146608	ST3℞	Screwdriver tip 1/16"	5.95	4.95
146616	ST3℞	Screwdriver tip 1/8"	5.95	4.95
192145	ST6℞	Screwdriver tip .031"	5.95	4.95
146624	ST7℞	Conical tip 1/32"	5.49	4.49

Weller® 25 & 40-Watt Marksman Home Project Kits

Perfect for beginners and hobbyists. Includes stand.

- Stainless steel barrel and heat/impact resistant handle
- Ideal for kits, radios and electronics
- Indicator light shows iron is on

2094143 Includes: Knife and 2 tips
2094160 Includes: Soldering aid tool, 3 tips & solder

Part No.	Mfr. Part No.	Description	1	5
2094143	SP23LHPK℞	25W Iron kit	$19.95	$18.95
2094160	SP40LK℞	40W Iron kit	24.95	23.49

Weller® 100-Watt Soldering Iron

- "Closed loop" method of controlling max. tip temperature
- Nominal heat-up time with 700˚F tip is 110 seconds
- 120VAC @ 60Hz input
- Length: 6"
- Weight: 0.7 lbs.

Includes: CT6F7 (0.375" screwdriver tip; 700˚F)

Part No.	Mfr. Part No.	Description	1	5
192081	W100PG℞	Solder iron	$64.95	$59.95
192090	CT6F7℞	.375" scrwdrvr tip	6.95	6.29

Weller® 25 to 125-Watt Cordless Soldering Iron Kit

- Self-igniting & instant heat
- Adjustable temperature (25W to 125W)
- Auto switch off
- Visible gas level
- Additional tips can be special ordered
- 2 hours of heat on average tank setting

Includes: Soldering tool, hot blower tip, hot knife tip, 2.4mm and 4.8mm double flat tip, cleaning sponge, storage case and instruction manual

Part No.	Mfr. Part No.	1	5
152207	PSI-100K℞	$89.95	$79.95

★Soldering Irons — Enter Web Code QAS

Need Solder?

See page 166 for All Your Soldering Accessories.

Weller® 8/11-Watt Battery Powered Soldering Iron

- Heats to working temperature in less than 15 seconds
- White LED light illuminates working surface
- Dual heat settings: 8 watts on low setting (850˚F) or 11 watts on high setting (950˚F)
- Co-molded grip for comfort grip and protective safety cap turns off power when placed on tool
- Over 150 intermittent solder joints with fresh batteries

Includes: Iron, tip, 4 "AA" batteries, lead free solder, and tip/wrench stand

Part No.	Mfr. Part No.	1	5
1943060	BP860MP	$23.95	$19.95

Weller® Coldheat Pro Cordless Soldering Iron

Using the patented Coldheat™ system, the Weller Pro Cordless melts solder instantly and is cool to the touch in just seconds. The Weller Pro has the power industrial professionals need to tin wire as large as 12AWG or join wires from 18-25AWG, with an average yield of 700 solder joints per 5 AA Alkaline batteries.

- Polycarbonate body
- High/low/off power switch
- Bright white LED light
- Red "in use" indicator light
- Includes carrying case and CHT3 61° angle chisel tip

Requires: 5 AA Alkaline batteries (recommend 198707, pg 146, not included)

Part No.	Mfr. Part No.	1	5
684705	CHT100℞ ✪	$39.95	$35.95

✪ Blue Part No. = Limited Quantity Available

WAHL® 25-Watt Cordless Soldering Iron

IsoTip® Power Pro Model #7904
- **900˚F tip temperature**
- LED indicator light
- Solders 200+ joints or up to 30 minutes of continuous soldering
- Iron performance equivalent to 25-watt iron
- Weight: 1.1 lbs.

Includes: Iron, charging stand, battery pack and tips

Part No.	Description	1	5
132783	Power Pro cordless iron	$69.95	$64.95

20 to 80-Watt Butane Soldering Iron Tool Kit

- Slide switch ignition system
- Adjustable temperature up to 1200˚F
- 1.3 hrs of use per refill

Includes: Solder tip, heat tip, hot knife tip, shrink attachment, cap sponge, stand & case

NEW MARKED IN PINK

Part No.	Description	1	5
2076615	Flameless heat soldering℞	$84.95	$78.95

30 to 100-Watt Soldering Kit

Includes: 100W soldering gun with extra tip, 30W soldering iron, manual desoldering pump, mini third-hand board/component holder, lead solder, and soldering aid tool

- Size: 13.8"L x 11"W x 3"H

Part No.	Description	Weight	1	5
684596	GSR-600A	4.0 lbs.	$35.95	$29.95

℞ RoHS compliant product ✚ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Electric & Manual Desolder Pumps

- Easily disassembled for cleaning
- Replacement tips available

19255: • UL listed
- One-hand operation
- Size: 10.5"L x 1.0"Dia.

19166: Size: 7.8"L x 0.8"Dia.
1942139: Size: 13.3"L x 1.0"Dia.

★Web Code: GAS

Part No.	Description	1	5
19255	Electric desolder pump ℛ	$26.95	$23.95
19166	Manual desolder pump	4.95	4.49
1942139	Manual desolder pump ℛ	8.95	7.95
19262	1 tip for 19255	3.95	3.49
22091	2 tips for 19166	4.49	3.95
307782	1 tip for DP100 ℛ	2.49	1.95

Weller® 40-Watt Soldering Station

- Lighted on/off switch
- Adjustable power from 5 watts to 40 watts
- 120V @ 60Hz
- Temp. is electronically controlled from 350° to 850°F
- Size: 5.5"L x 4.5"W x 3.5"H • Weight: 1.9 lbs.

★Web Code: GEJ

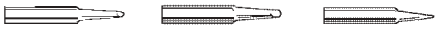
Includes: ST3 1/8" screwdriver tip and manual

Part No.	Mfr. Part No.	Description	1	5
146595	WLC100 ℛ	40W station	$59.95	$54.95

Weller® Soldering Tips

Replacement Tips for WLC100, WP25 & WP23

★Web Code: NAB



Part No.	Mfr. P/N	Description	1	5
146608	ST1 ℛ	Screwdriver tip 1/16"	$5.95	$4.95
146616	ST3 ℛ	Screwdriver tip 1/8"	5.95	4.95
192145	ST6 ℛ	Screwdriver tip .031"	5.95	4.95
146624	ST7 ℛ	Conical tip 1/32"	5.49	4.49

Weller® 42-Watt Controlled-Output Soldering Station

- Complete with macro style, low voltage, temp. controlled soldering iron
- Closed loop method of controlling maximum tip temperature for protection of temperature sensitive components
- 120VAC @ 60Hz input
- Power unit housing features impact resistant plastic for durability
- Quick disconnect plug for soldering iron and lighted on/off switch
- Separate conductor grounds iron tip and terminates third pin of power cord • Uses PT series tips
- Size: 5.9"L x 4.5"W x 3.6"H • Weight: 4.0 lbs.

Includes: Soldering iron and PTA7 tip (below)
- Tips all .062"

Part No.	Mfr. P/N	Description	1	5
170552	WTCP ℛ	Solder station	$149.95	$139.95
192161	TC201T ℛ	Replacement iron	79.95	72.95
192170	PTA6 ℛ	Screwdriver tip 600˚F	3.95	3.49
192188	PTA7 ℛ	Screwdriver tip 700˚F	3.95	3.49
192196	PTA8 ℛ	Screwdriver tip 800˚F	3.95	3.49

★Soldering / Desoldering Stations — Enter Web Code GEJ

45-Watt Analog Display Soldering Station

Grounded Soldering Tip

- 500°F to 850°F
- Fully grounded
- Insulated ceramic heating element for rapid heat-up and heat recovery
- Heater insulation exceeds 100MΩ
- Zero voltage circuitry eliminating high voltage spike and magnetic field generation
- Size: 7.0"L x 4.5"W x 3.5"H • Weight: 2.5 lbs.

Includes: Manual, soldering iron w/ 1/32" tip, stand, tip cleaner and sponge

156814: Sharp conical chisel tip
156822: Conical chisel tip

Part No.	Mfr. Part No.	Description	1	5
229673	XYT379-C ℛ	45W station	$49.95	$44.95
156814	XYB01 ℛ	1/32" tip	3.95	3.49
156822	XYB04 ℛ	1/16" tip	3.95	3.49
134631	SP715	Sponge	2.95	2.59

Weller® 50-Watt Analog & Digital Display Soldering Stations

Innovative heater and sensor combination for quick heat-up and rapid temperature recovery.

- Tip temperature offset capability allows user to reset temperature readings to match tip size and style
- Wireless temp. lockout
- Auto power-down after 90 minutes of inactivity
- Temperature range: 350˚F to 850˚F
- Temp. accuracy: ±9.0˚F • ESD safe
- Size: 5.9"L x 4.5"W x 3.6"H • Weight: 4.0 lbs.

Includes: PES51 50W soldering iron with ETA tip, PH50 stand and sponge, and adjustment tool

Part No.	Mfr. Part No.	Description	1	5
217461	WES51 ℛ	Analog	$124.95	$121.95
233533	WESD51 ℛ	Digital	169.95	159.95
2082847	PES51 ℛ	Soldering iron	38.95	37.95

Weller® Soldering Tips

Replacement Tips for WES51 & WESD51

★Web Code: NAB

- Tip leakage: less than 2mV
- Tip to ground resistance: less than 2Ω
- Additional tips can be special ordered

Part No.	Mfr. P/N	Description	1	5
16774	ETA ℛ	Screwdriver 1/16"	$6.95	$6.29
16782	ETJ ℛ	Long screwdriver 1/32"	6.95	6.29
16803	ETR ℛ	Narrow screwdriver 1/16"	6.95	6.29
16811	ETS ℛ	Long conical 1/64"	6.95	6.29
2082783	WCC104 ℛ	Replacement sponge	1.75	1.59

Replacement Sponges for Legacy Model Soldering Stations

134640: For 138-3
134631: For XY-60D, XY-379 & XYT379-C

Part No.	Mfr. Part No.	1	5	25
134640	SP815 ℛ	$1.95	$1.75	$1.59
134631	SP715	2.95	2.59	2.29

70-Watt Soldering Stations

- Input: 110-120VAC @ 60Hz
- Nichrome heating element on soldering iron
- Temp. range: 200°C to 450°C (329°F to 842°F)
- Soldering iron assembly w/ nichrome heating element & K-type thermocouple sensor
- Adjustable knob for temperature setting
- Size: 8"L x 5.2"W x 3.8"H • Weight: 5.3 lbs.
- Includes: soldering station, soldering stand with cleaning pad, soldering iron, manual

1950711: Analog
- LED to indicate power (green), heater on (red)
- Temp. acc.: ±3°C • Uses model 209 soldering iron

1950729: Digital • Temp. accuracy: ±1°C
- 0.560" (3-digit) LED display and red LED for heater on indicator • ESD safe
- Uses model 209ESD soldering iron

★Web Code: GEJ

Part No.	Mfr. Part No.	Description	1	5
1950711	169 ℛ	Analog	$99.95	$89.95
1950729	169D ℛ	Digital	129.95	119.95

Weller® 80-Watt Soldering Station

- 120V @ 60Hz
- Lighted on/off switch
- Adjustable power from 5 to 80 watts
- Temperature is electronically controlled from 350˚ to 900˚F
- Size: 5.5"L x 4.5"W x 3.5"H
- Weight: 2.1 lbs.

★Web Code: GEJ

Includes: MTG21 1/4" chisel tip and manual

Part No.	Mfr. Part No.	Description	1	5
2082775	WLC200 ℛ	Soldering station	$69.95	$65.95
2082812	MTG21 ℛ	1/4" chisel tip	7.95	7.49
2082804	MTG20 ℛ	3/8" chisel tip	7.95	7.49
2082821	MTG22 ℛ	3/8" cone tip	8.95	8.49
2082783	WCC104 ℛ	Sponge	1.75	1.59

Weller® 85-Watt Digital Soldering Station

- New WP80 soldering pencil with short tip-to-grip (52mm)
- Barrel can be exchanged with optional longer version to work at standard length (65mm)
- Unique silver heater allows fast, efficient soldering
- Uses WP80 soldering pencil and WDH10 soldering stand • Includes LTB tip
- Size: 15.4"L x 10.2"W x 5.2"H • Weight: 8.2 lbs.

★Web Code: GEJ

Part No.	Mfr. Part No.	1	5
684772	WD1002 ℛ	$309.95	$299.95

Weller® 85-Watt Digital Soldering Station

- Extensive special functions menu allows you to use setback, lockout, standby, auto-off time and more
- Heating element is contained in pencil rather than tip
- Micro pencil with short tip-to-grip (37mm) puts you close to the work
- Iron stand has adjustable tilt angle in 4 positions ranging from 30˚ to 80˚ • Includes NT1 tip
- Uses WMP soldering pencil and WDH20 iron stand
- Size: 15.9"L x 10.9"W x 5.8"H • Weight: 7.5 lbs.

★Web Code: GEJ

Part No.	Mfr. Part No.	1	5
684781	WD1001 ℛ	$309.95	$294.95

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

100-Watt ESD-Safe, Lead-Free Soldering Station

- Specifically designed for RoHS-compliant soldering
- ±3°C temp. stability
- 100W, 115/230VAC 50/60Hz
- Temperature adjustable 0-45°C (0-85°F)
- 24VAC Hi-Recovery nichrome heating
- Auto power down idle circuitry, 15-min non-operation
- Full digital LED readout in both °C and °F
- Size: 6.1"W x 6"D x 4"H • Weight: 8.0 lbs.

Part No.	Description	1	5
667551	LF-1000 soldering station ℛ	$139.95	$125.95

Desoldering Tips

2095496

- Replacement tips for LF7000 P/N 1919107 and LF8000 P/N 1919115

Part No.	Description	1	5	25
2095496	Desolder tip 1mmℛ	$8.95	$7.95	$6.95
2095509	Desolder tip 1.2mmℛ	8.95	7.95	6.95
2095517	Desolder tip 1.5mmℛ	8.95	7.95	6.95

CHIPQUIK SMD Removal Kit

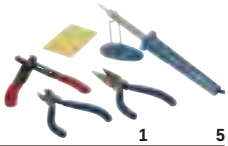
- Quick and easy to use
- Potential damage to printed circuit boards is eliminated
- 2.5' of CHIPQUICK® material removes 1250-1500 SMD pins • Uses simple equipment and materials for application & clean-up

Part No.	Description	1	5
141305	SMD removal kit	$15.95	$14.49

Solder Tool Kit

For Beginners

Includes: Soldering iron with stand, long nose pliers, wire strippers, side cutters and sponge.



Part No.	Description	1	5
358598	7-piece tool soldering kit	$15.95	$13.95

Vacuum Pen Tools

207239 207247

- ESD safe body
- Picks up components with weight of 1.1 lbs. or less

Part No.	Description	1	5
207239	Handivac tool ℛ (4 tips/cups)	$19.95	$17.95
207247	Pen vac tool ℛ (6 tips/cups)	39.95	33.95

100-Watt High-Powered Soldering & Desoldering Station

- Input voltage: 100 – 120VAC @ 60Hz
- Soldering iron (heater output, power and temp. range): 32VAC, 100W, 200˚C to 450˚C (400˚F to 850˚F)
- Desoldering iron (heater output, power, and temperature range): 32VAC, 80W, 300˚C to 450˚C (570˚F to 850˚F)
- Temp. stability: ±3˚C (6˚F)
- Pump controlled by a finger actuated thyristor on desoldering iron
- Zero voltage switching & fully grounded design
- Adjustable temperature w/o changing tips
- Auto power down after 15 min. of idle
- Detachable soldering iron and desoldering wand
- Self contained vacuum pump engineered to provide continuous, maintenance free operation
- Digital readout for temperature
- Analog readout for vacuum pressure
- Size: 10.8"W x 12.5"D x 6.1"H

Includes: 104A/105A soldering stands, DIA80 desoldering iron, 210ESD soldering iron, steel brush, foam filters, power cord, diagonal wire cutters, 5 high precision tweezers and instruction manual

Part No.	Mfr. Part No.	1	5
1919115	LF-8000ℛ	$489.95	$464.95

80-Watt Desoldering Station

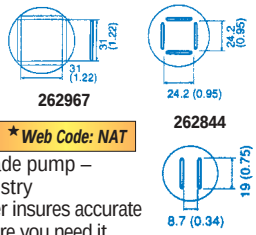
- Input voltage: 100 – 120VAC @ 60Hz
- Heater: 32V, 80W
- Large digital temperature display
- Adjustable temperature without changing tips
- Tip temperature accurate to ±3˚C (6˚F)
- Zero voltage switching & fully grounded design makes this unit safe on electro-sensitive devices
- Suction controlled by a finger actuator thyristor located on the desoldering handle
- Self contained diaphragm vacuum pump engineered to provide continuous, maintenance free operation
- Temperature range: 300˚C to 450˚C (572˚F to 842˚F)
- Size: 7.9"W x 9.3"D x 4.5"H

Includes: DIA80 desoldering iron, 2 soldering stands, foam filters, & cleaning brush

Part No.	Mfr. Part No.	1	5
1919094	LF-6000ℛ	$349.95	$315.95

★ *Soldering / Desoldering Stations — Enter Web Code GEJ*

420-Watt Hot Air SMD Rework Station with Digital Display



262967 262844 262941

★ *Web Code: NAT*

- Incorporates a US made pump – the largest in the industry
- Long life ceramic heater insures accurate and sufficient heat where you need it
- Automatic cooling mode protects the heating element
- Power supply: 100-120VAC or 220-240VAC
- Airflow capacity: 1.5L/min. to 28L/min.
- 310W nichrome heating element
- Electronically controlled temperature system with digital readout in preset and actual temperature
- Hot air temp. range: 100˚C - 385˚C (212˚F - 725˚F)
- 25W diaphragm pump • Adjustable air-flow
- Size: 7.4"W x 9.6"D x 5.0"H • Weight: 10.8 lbs.

Includes: Precision 5-pc. non-magnetic tweezer set, 4 focus hood tips (single 2.5mm and 4.4mm pipes, P/N 262895 and 262908)

Part No.	Mfr. Part No.	Description	1	5
262705	850Dℛ	SMD rework	$299.95	$269.95
262810	A1135Bℛ ✪	PLCC 17.5 x 17.5	29.95	25.95
262959	A1136Bℛ	PLCC 20 x 20	45.95	39.95
262967	A1138Bℛ	PLCC 30 x 30	45.95	39.95
262895	A1125Bℛ	QFP 10 x 10	29.95	25.95
262908	A1126Bℛ	QFP 14 x 14	29.95	25.95
262916	A1127Bℛ	QFP 17.5 x 17.5	29.95	25.95
262852	A1261Bℛ	QFP 20 x 20	45.95	39.95
262844	A1182Bℛ	BQFP 24 x 24	45.95	39.95
262801	A1129Bℛ	QFP 28 x 28	45.95	39.95
262887	A1265Bℛ	QFP 32 x 32	69.95	65.95
262932	A1258Bℛ	SOP 7.6 x 12.7	29.95	25.95
262941	A1260Bℛ	SOP 8.6 x 18	29.95	25.95
262975	A1259Bℛ	SOP 13 x 28	45.95	39.95

✪ Blue Part No. = Limited Quantity Available

40 & 80-Watt SMD Rework Stations

★ *Web Code: NAT*

- Long-life ceramic heating element
- High-performance, inexpensive, versatile
- Thermocouple sensor for stable temperature
- Rapid heat-up and recovery

224629

224629: 40-Watt

- Adjustable temperature: 482-842˚F (250-450˚C)
- 25-watt ceramic element
- Size: 7.4"L x 5.0"W x 3.3"H
- Weight: 2.6 lbs.

2099219: 80-Watt NEW MARKED IN PINK

- Adjustable temperature: 392-896˚F (200-480˚C)
- 40-watt ceramic element
- Size: 8.8"L x 6.0"W x 4.5"H
- Weight: 4.2 lbs.

2099219

Includes: Base power unit, sponge, stand, surface mount tweezer iron, and stand for tweezers

Part No.	Description	1	5
224629	40-watt stationℛ	$89.95	$79.95
2099219	80-watt stationℛ	169.95	149.95
168583	.078" tipℛ	9.95	8.95
168591	.590" tipℛ	11.95	10.95
156814	.03125 conicalℛ	3.95	3.49
168583	Tweezer tipℛ	9.95	8.95

90-Watt Analog Soldering & Desoldering Station

- Soldering iron: 32VAC output, 90 watt, 200˚C to 480˚C (400˚F to 900˚F) temperature range with 1.6mm/1/16" tip • Input voltage: 100 – 120VAC @ 60Hz
- Desoldering iron (DIA80): 32VAC output, 80 watt, 300˚C to 450˚C (570˚F to 850˚F) temperature range, with 1.2mm/0.048" tip • Temp. stability: ±3˚C (6˚F)
- Pump controlled by a finger actuated thyristor on desoldering iron
- Automatic power down after 15 minutes of idle as indicated by pause LED
- Dials for temperature settings on both soldering and desoldering iron
- Self-contained vacuum pump engineered to provide continuous, maintenance free operation
- Zero voltage switching and full grounded design • Adjustable temperature w/o changing tips
- Analog readout for vacuum pressure • Size: 10.8"W x 12.5"D x 4.1"H

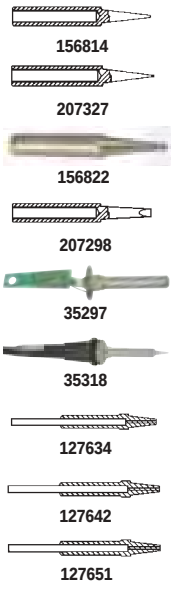
Includes: 104A/105A soldering stands, A-2000-1 soldering stand, DIA80 desoldering iron with #44-915412 tip, 210ESD soldering iron with #44-415404 tip, 5pc. 5" high precision tweezers, AX205 5" micro cutting pliers, steel brush/cotton/foam replacement filters, power cable, and instruction manual

Part No.	Mfr. Part No.	Description	1	5
1919107	LF-7000ℛ	Analog solder/desolder station	$399.95	$359.95

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Tips & Replacement Parts for XYTronic Soldering and Desoldering Products

35326 35078 35334 35115 35238 207335 207351 140231



156814 207327 156822 207298 35297 35318 127634 127642 127651

*Web Code: NAB

Part No.	Mfr. P/N	Description	258/L	136ESD*	168*	200GX, 200PHG	379*/379-C	AESD*/DESD	XY960A/	960D*	968	999SDA*	JSI259*	168-3C	Pricing 1	10	25
			For XYTronic Model Numbers (*Legacy Models)														
35326	XY401ℛ	Soldering tip - conical bevel 1/32"	✓		✓	✓		✓	✓		✓	✓	✓		$4.49	$3.95	$3.59
35078	XY402ℛ	Soldering tip - semi-chisel 1/32"	✓		✓	✓		✓	✓		✓	✓	✓		4.49	3.95	3.59
35334	XY403ℛ	Soldering tip - conical sharp 1/64"	✓		✓	✓		✓	✓		✓	✓	✓		4.49	3.95	3.59
35115	XY404ℛ	Soldering tip - conical chisel 1/16"	✓		✓	✓		✓	✓		✓	✓	✓		4.49	3.95	3.59
35238	XY405ℛ	Soldering tip - semi-chisel wide 1/8"	✓		✓	✓		✓	✓		✓	✓	✓		4.49	3.95	2.95
207335	XY406ℛ	Soldering tip - long conical chisel 3/64"	✓		✓	✓		✓	✓		✓	✓	✓		4.49	3.95	2.95
207351	XY410ℛ	Soldering tip - chisel 3/16"	✓		✓	✓		✓	✓		✓	✓	✓		4.49	3.95	3.59
140231	XY430ℛ	Soldering tip - SMD flat pack 7/32"	✓		✓	✓		✓	✓		✓	✓	✓		6.95	5.95	4.95
156814	XYB01ℛ	Soldering tip - sharp conical chisel 1/32"		✓			✓								3.95	3.49	2.95
207327	XYB03ℛ	Soldering tip - conical sharp 1/64"		✓			✓								5.95	5.49	4.95
156822	XYB04ℛ	Soldering tip - conical sharp 1/16"		✓			✓								3.95	3.49	2.95
207298	XYB05ℛ	Soldering tip - semi-wide chisel 1/8"		✓			✓								4.49	3.95	3.59
35297	XY37ℛ	Heating element - (nichrome)			✓	✓		✓			✓		✓		12.95	11.95	10.95
35318	XY48ℛ	Assembly - 60W w/ nichrome heater			✓	✓		✓			✓		✓		29.95	26.95	23.95
127634	XYD10ℛ	Desoldering tip - 1.0mm (.0394")							✓	✓	✓				8.95	7.95	6.95
127642	XYD12ℛ	Desoldering tip - 1.2mm (.0472")							✓	✓	✓				8.95	7.95	6.95
127651	XYD15ℛ	Desoldering tip - 1.5mm (.0586")							✓	✓	✓				8.95	7.95	6.95

Solder Spool & Iron Stand

Solder not included

- 4 pc. spool stand (some assembly required)
- Size: 6"L x 3.5"W x 3.1"H
- Sponge size: 1.6"W x 2.4"L
- Shaft diameter: 0.6"
- Weight: 2.0 lbs.

Part No.	Description	1	5	25
169551	Spool & iron stand	$10.95	$9.95	$8.95

Solder Spool Stand — Enter Web Code YAU

JAMECO ValuePro

Solder Spool Stand

Solder not included

- 12 pc. solder spool stand (some assembly required)
- Size: 3.6"W x 3.9"D x 4.3"H
- Shaft dia.: 0.6" • Weight: 1.6 lbs.

Part No.	Description	1	5	25
141761	Solder spool standℛ	$10.95	$9.95	$8.95

Soldering Tip Cleaner with Stand

156777

- For cleaning soldering iron tips without the use of water and sponge
- Metal wool for cleaning
- Rubberized base for stability

Part No.	Description	1	5	25
156777	Tip cleaner & standℛ	$4.95	$4.49	$3.95
160004	Metal wool replacementℛ	2.49	2.29	1.95

300-Watt Solder Pot

Temperature Regulated Between 420°C and 450°C

- HI/LO temperature switch
- 2 conductor power cord: 5' 9" long
- Holds up to 1 bar of P/N 176057 or 170465, pg 166
- Input volt.: 110VAC @ 2.7A; 50-60Hz
- Size: (unit) 4.8"H x 5.5" Dia. (base)
- Size: (tub) 2.4"Dia. x 1.6"D
- One-year warranty • Weight: 5.9 lbs.

Part No.	Description	1	5
1951625	300-watt solder potℛ	$79.95	$74.95

Solder Pots — Enter Web Code HAW

600-Watt Solder Pot

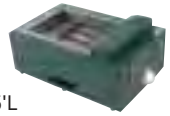
Temperature Adjustable

- 2-wire power cord (5'5")
- Temperature: 0˚C to 500˚C
- Self-regulating temperature
- Input voltage: 110VAC @ 5.5A
- On-off power switch and LED indicator for heat
- Holds up to 3 bars of P/N 176057 or 170465, pg 166
- Size (unit): 6.8"L x 5.5"W x 2.8"H
- Size (tub): 3.9"L x 1.6"D • Weight: 7.4 lbs.

Includes: Skimmer and removable dross tray

Part No.	Description	1	5
172276	600-watt solder potℛ	$199.95	$179.95

2000-Watt Solder Pot



- Thermostat control for setting temp. from 50˚C to 300˚C
- Holds up to 48 bars of P/N 176057 or 170465, pg 166
- 3 conductor pigtail power cord: 5'L
- Input volt.: 110VAC @ 18A, 50-60Hz single phase
- Size (unit): 18.1"L x 11.5"W x 6.0"H
- Size (tub): 12.0"L x 8.0"W x 2.9"H
- Weight: 23.1 lbs. • One-year warranty

Part No.	Description	1	5
149876	2000-watt solder pot	$359.95	$299.95

XYTRONIC

22-Watt Fume Extractor

Absorbs noxious lead fumes using activated-carbon filter and a high-efficiency fan

- Operate continuously providing filtered air
- Static ground jack • Fuse protected
- Air flow: 115 CFM • Noise: 49dB fan
- 20VAC, 60Hz, 22 watt
- Aerodynamic hood design for effective removal of solder fumes
- Removable carbon-impregnated filter
- Size: 6.4"W x 4.6"D x 7.9"H
- Weight: 4.6 lbs. • One-year warranty

Includes: Detachable power cord

Part No.	Description	1	5	25
120150	Fume extractorℛ	$49.95	$45.95	$39.95
127183	Replace. filters (2/pk)ℛ	9.95	8.95	7.95

Fume Extractors — Enter Web Code HAR

Weller® 20-Watt Fume Extractor

This fume extractor removes flux fumes from the soldering workbench by drawing smoke through an activated carbon filter. With its exceptionally quiet fan, it can process up to 1.37 cubic meters of air per minute and its stand is adjustable allowing it to be set-up in multiple positions.

- Voltage: 120VAC • Sound level: 45-50dB
- Air consumption: 87-107CFM
- Power consumption: 20W
- Absorption capacity: 1.25 cubic meters to 1.37 cubic meter per minute
- ESD safe • UL/CUL listed
- Size: 10"L x 6.5"W x 11"H • Weight: 4.2 lbs.

Part No.	Mfr. Part No.	1	5
684810	WSA350	$59.95	$54.95
684828	WSA350F (carbon filter)	7.95	6.95

XYTRONIC

42-Watt Combination Soldering Station and Fume Extractor

- Power consumption: 42W @ 650˚F (soldering iron)
- Adjustable knob for temperature control: 500˚F to 800˚F
- Stability @ idle: ±9˚F
- Max. air volume: 95/115CFM
- LED indicator for pilot light
- Electronic zero-voltage switching
- Input voltage: 100-120VAC @ 60Hz
- Size: 6.4"W x 7.8"H x 4.7"D • Weight: 5.2 lbs.

Includes: Soldering iron, iron holder, sponge, carbon activated filter, power cord and manual

Part No.	Mfr. Part No.	1	5
183169	456DLXℛ	$89.95	$69.95

Fume Extractor Filters

- For use with GS-630A
- 3-pack carbon filters • Size: 5" x 5"

Part No.	Description	1	5	25
672579	Replacement filters	$9.95	$8.95	$7.95

See page 197 for NEW Fume Extractor System

For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Vices, Workstations & Soldering Accessories

Vacuum Base Vise

- Features the patented "split ball" that tilts, turns and rotates through three planes
- Powerful suction pad for quick and easy set-up • Weight: 3.3 lbs.
- Nylon jaws open 2.25"
- Size: 5.0"L x 4.0"W x 6.3"H
- One-year warranty

262116

★Web Code: TAD

Part No.	Mfr.	Product No.	1	5
262116	ValuePro	GV-300℞	$39.95	$35.95
27131	PanaVise	M381℞	59.95	57.95

Third Hand Tools

- Two adjustable arms with alligator clip jaws
- Quick and easy rotation
- Sturdy, heavy base

681002

Part No.	Description	Wt. (lbs.)	Size	1	5
72865	With holder/sponge℞	1.4	2.0"	$8.95	$7.95
681002	With holder/sponge	1.7	3.5"	8.95	7.95
26690	Third hand	1.4	2.0"	5.95	5.49

We're Listening to What You Need

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronic needs. Send feedback to Feedback@Jameco.com.

JAMECO ValuePro

Clip-On Heat Sink

- Absorbs and dissipates heat during soldering and desoldering sensitive parts
- Size: 2.7"L x 0.7"W

Part No.	Product No.	1	10	100
159126	HT156	$2.95	$2.59	$2.29

Acid Brush

- Used for application of reactive solvents

Part No.	Description	1	10	100
153322	Metal handle, 6"℞	$.65	$.55	$.45

KYTRONIC

Plastic Pump Bottle

- 6 oz. bottle
- ESD compliant
- Plastic bottle with dispenser cover

Part No.	Mfr. Part No.	1	10	100
158131	450℞	$9.95	$8.95	$7.95

Heat Sink & Soldering Aid Kit

100378 100503

100378: Heat sink absorbs and dissipates heat during soldering & desoldering of sensitive parts
100503 Includes: Soldering wick, 3 pc. scraper set, acid brush, clip-on heat sink and empty squirt bottle

Part No.	Description	1	10	100
100378	Heat sink	$.49	$.45	$.39
100503	7-piece soldering kit	6.95	6.29	5.49

Clamp Vise

★Web Code: TAD

- No tools needed — finger turn to tighten
- Ball cup allows vise to adjust to any angle
- Nylon jaws open 2"
- Size: 10.0"L x 2.5"W • Weight: 2.1 lbs.

Part No.	Mfr. Part No.	1	5
127167	OR-307	$19.95	$17.95

PANAVISE

PV Jr. Vise

- Jaw size: 1" wide x 2" long; opening: 2.8"
- Jaw heat tolerance: 350˚F
- Vertical/horizontal jaw grooves
- Fine/course adjusting knob
- The vise neck tilts, turns and rotates
- Vise height: 6.8" • Weight: 1.4 lbs.
- Base bolt is 4.3" and fits all PanaVise base mounts

Part No.	Mfr. Part No.	1	5
134439	PVJR 201℞	$26.95	$24.95

Rapid Assembly Circuit Board Holder

PANAVISE

- 8 positions rotating adjustment, six positive lock positions in the vertical plane and height adjustment for quick board rotation speeds
- Holds circuit boards from 1/8" (3.2mm) to 12" (304.8mm) wide and up to 5/32" (4mm) thick
- Arms move independently
- 10" high (from base to top of vertical shaft)

Part No.	Mfr. Part No.	Weight	1	5
684844	333℞	6.4 lbs.	$79.95	$75.95

PANAVISE

Vacuum Base Vise

- Head moves through three planes: 210˚ tilt, 360˚ turn and rotation
- Grooved jaws are made of reinforced thermal alloy and open up to 2.9"
- Fine/coarse adjustment
- Jaw size: 2"H x 1"W • Base dia.: 3.4"
- Overall height: 7.5"H • Weight: 0.8 lbs.

Part No.	Mfr. Part No.	1	5
251791	209	$39.95	$35.95

PANAVISE

Electronic Work Center

- Circuit board holder, standard base, tray base mount, solder station, sponges and wire holder included
- Size: 8.5"W x 7.8"H
- Weight: 5.3 lbs.
- One-year warranty

Part No.	Mfr. Part No.	1	5
27060	324℞	$89.95	$79.95

PANAVISE

Multi-Purpose Work Center

- Jaws open to 9"
- Double action extra wide self-centering heads allow fast opening and closing; centered weight allows jaws to hold heavier objects; plates can be reversed to close together; reversible jaw pads feature ribbing on one side and a V groove on the other
- Base has three 1/4" countersunk mounting holes
- Overall base diameter is 8.5"

Part No.	Mfr. Part No.	1	5
684852	350℞	$89.95	$84.95

Solder Bars, Rolls and Pocket Packs

★Web Code: ABD

141786 170457 115433 170465 668297

Part No.	Manufacturer	% Composition: Tin	Lead	Silver	Copper	Gold	Dia.	L"	Wt. (lbs.)	Type†	Pricing: 1	10
73576	Kester	60	40	—	—	—	0.031"	—	0.5	2	$3.25	$2.95
32117	Kester	60	40	0	—	—	0.031"	—	1.0	1	25.95	22.95
141786	Super	60	40	0	—	—	0.031"	—	1.1	1	19.95	17.95
94570	Kester	60	40	—	—	—	0.05"	—	1.3	2	3.49	3.19
176057	ValuePro	60	40	—	—	—	—	13	1.1	4	20.95	18.95
73605	Kester	62	36	2	—	—	0.02"	—	0.35	2	3.79	3.39
151474	Kester*	63	37	0	—	—	0.031"	—	1.0	1	27.95	24.95
115433	Kester	63	37	0	—	—	0.039"	—	0.07	3	.99	.85
170465	ValuePro℞	63	37	—	—	—	—	13	1.8	4	19.95	18.95
668262	ValuePro℞	96.3	—	3.2	0.5	—	0.04"	—	0.6	1	25.95	23.95
668297	ValuePro℞	96.3	—	3.2	0.5	—	0.04"	—	1.1	1	49.95	44.95
1945858	Various℞	96.5	—	3.0	0.5	—	0.02"	—	1.1	1	27.95	25.95
668271	ValuePro℞	96.5	—	3.5	—	—	0.04"	—	0.6	1	29.95	26.95
668318	ValuePro℞	96.5	—	3.5	—	—	0.04"	—	1.1	1	49.95	44.95
668422	ValuePro℞	96.5	—	—	—	3.5	—	13	2.2	4	69.95	64.95
170457	Various℞	99.3	—	—	0.7	—	0.031"	—	0.06	2	2.49	2.25
209075	Various℞	99.3	—	—	0.7	—	0.031"	—	1.0	1	19.95	18.95
668078	ValuePro℞	99.3	—	—	0.7	—	0.04"	—	0.6	1	15.95	13.95
668406	ValuePro℞	99.3	—	—	0.7	—	—	13	2.2	4	34.95	31.95

* Organic core † 1. Roll 2. Packet 3. Coil 4. Bar

5' Desolder Braids

★Web Code: DAG

139951 263695

Part No.	Mfr.	Mfr. Part No.	Description	W"	1	10
139951	Techspray	1814-5F℞	No-Clean, Military & NASA certified	.030	$3.59	$3.29
124126	Techspray	1815-5F℞	No-Clean, Military & NASA certified	.055	3.59	3.29
124118	Techspray	1816-5F℞	No-Clean, Military & NASA certified	.075	3.59	3.29
263708	Techspray	1817-5F℞	No-Clean, Military & NASA certified	.098	3.95	3.59
263695	Techspray	1803-5F℞	Pro Wick, Pure Rosin	.075	2.95	2.59
263599	Techspray	1804-5F℞	Pro Wick, Pure Rosin	.098	3.29	2.95
263581	Techspray	1511-5F℞	Pro Wick, Pure Rosin with bobbin	.098	3.29	2.95
41082	ValuePro	GISW20℞	Solder wick braids	.079	1.89	1.69
41100	ValuePro	GISW25℞	Solder wick braids	.098	1.99	1.79
153462	ValuePro	GSR104D℞	Solder wick braids	.120	2.25	1.95

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Workshop Chemicals & Heat Sinks Compounds

NEW MARKED IN PINK

TECHSPRAY

* Shipped via UPS ground to continental U.S. only

Part No.	Manufacturer	Description	Vol. (oz.)	1	10
615769	GC Electronics ℛ	Adhesive, sealant, silicon, one part, non corrosive, clear	3	$7.95	$6.95
645845	3M ℛ	Super adhesive, household glue #6004*	1	4.95	4.49
139900	Techspray ℛ	Air duster, Envi-Ro-Tech, acusol, 100% HCFC, non-flammable, w/ trigger*	8	9.95	8.95
263530	Techspray ℛ	Air duster, Envi-Ro-Tech, acusol, 100% HCFC, non-flammable, w/ trigger*	12	13.95	12.95
2094207	Caig ℛ	Air duster, non-flammable, moisture free, non-ozone depleting, no VOC*	10	6.95	6.49
2094231	Caig ℛ	Cleaner wash, contact evaporates quickly, safe on plastics*	10	7.95	6.95
118033	Techspray ℛ	Cleaner, contact, ECONOLINE, CFC free, aerosol can*	13.5	10.95	9.95
2094223	Caig ℛ	Cleaner, contact, quick dry, chemically improves metal electronic connections*	0.5	9.95	8.95
195004	Caig	Cleaner, contact dioxidizer & preservative, improves electronic connections*	5	16.95	15.95
2094215	Caig ℛ	Cleaner & conditioner, soldering tip*	0.5	8.95	7.95
616331	GC Electronics	Conductive paint, silver print II*	0.5**	49.95	44.95
263716	Techspray ℛ	Conductive pen, silver ink*	0.17	19.95	18.95
616411	GC Electronics ℛ	Developer, positive type, concentrate, dilute 9:1*	6	11.95	10.95
616438	GC Electronics	Etching solution, PC board, ferric chloride solution*	32	24.95	22.45
616446	GC Electronics	Etching solution, PC board, ferric chloride solution*	128	49.95	44.95
139934	Techspray ℛ	Freeze spray, Envi-Ro-Tech, circuit chiller, CFC and HFC free*	8	12.95	11.95
652210	3M ℛ	Glue tip, scotch-weld tapered mixer tip #4902 for 2 part glue	—	1.49	1.25
615347	GC Electronics	Heat sink compound, 100% synthetic base stocks type 44	1†	8.49	7.69
615355	GC Electronics	Heat sink compound, 100% synthetic base stocks type 44	16†	39.95	35.95
1582541	Wakefield	Heat sink compound, silicon based	8†	26.95	24.49
236823	ValuePro ℛ	Heat sink compound, silicon based grease	0.35†	4.95	4.49
167249	Aavid Thermalloy ℛ	Heat sink compound, silicon based grease*	2†	8.95	7.95
169252	Techspray ℛ	Heat sink compound, silicon free	4†	25.95	23.95
259151	NTE	Heat sink compound, white gel, thermal grease 5 pack	0.35†	1.95	1.75
615304	GC Electronics	Heat sink compound, zinc oxide-filled silicon grease	16†	29.95	26.95
615312	GC Electronics	Heat sink compound, zinc oxide-filled silicon grease	0.23†	2.95	2.65
615321	GC Electronics	Heat sink compound, zinc oxide-filled silicon grease	1†	7.95	7.25
263572	Techspray ℛ	Isopropyl alcohol, plastic bottle*	16	12.95	10.95
2094240	Caig ℛ	DeoxIT® SHIELD SN5 Spray Lubricant & protectant, for electrical connections*	0.5	9.95	8.95
645950	3M ℛ	Mask, home dust (5-pack), offers relief from common household dust	—	4.49	3.95
645968	3M ℛ	Mask, respirator, recommend for use w/ fiberglass insulation/drywall sanding	—	6.95	6.29
481730	Techspray	Smoke detector test spray*	2	5.95	5.49
615806	GC Electronics	Solder flux remover & cleaner II, non ODC, aerosol can*	16	9.95	8.95
118041	Techspray ℛ	Solder flux remover, ECONOLINE, CFC free, aerosol can*	13.5	11.95	10.95
1586015	Chipquik ℛ	Solder flux, tack for rework, no clean, 10cc w/ syringe	0.34	13.95	12.95
2098216	Chipquik ℛ	Solder flux, tack for rework, no clean, 10cc w/ syringe, water washable	0.34	15.95	14.95
481764	Techspray	Solder flux, dispensing pen, No-clean, resin & halide free leaves no residue*	0.38	6.95	6.49
615224	GC Electronics	Solder flux, liquid, non corrosive, solution of special rosin in alcohol*	2	8.95	7.95
615232	GC Electronics	Solder flux, liquid, non corrosive, solution of special rosin in alcohol*	16	24.95	22.45
615494	GC Electronics ℛ	Solder flux, paste, strong flux for soldering sheet metal & pipes, **not for PCBs***	2.29	9.95	8.95
2094258	Caig ℛ	Solder flux, rosin paste for electronic applications including PCBs*	2	8.95	7.95
2098208	Chipquik ℛ	Solder paste, 63% SN, 37% PB, no clean 10cc w/ syringe	0.34	19.95	18.95
2098224	Chipquik ℛ	Solder paste, 63% SN, 37% PB, no clean 10cc w/ syringe, water washable	0.34	22.95	21.95
2097441	Chipquik ℛ	Solder paste, 96.5% SN, 3% AG, .5CU, no clean 10cc w/ syringe	0.34	21.95	20.95
2098232	Chipquik ℛ	Solder paste, 96.5% SN, 3% AG, .5CU, no clean 10cc w/ syringe, water washable	0.34	23.95	22.95
525835	Chemtronics ℛ	Solder mask, peelable, latex material, squeeze bottle*	8	14.95	12.95
525851	Chemtronics ℛ	Cotton swabs, double headed, 6" handle, 100-pack	—	4.95	4.49

**TroyOunces †Heat sink compound measured by weight

★ Workshop Chemicals — Enter Web Code YAQ

★ Heat Sink Compounds — Enter Web Code YBA

3M Tape Products

★ Web Code: TPS

Part No.	Description	Color	Width (ins.)	Length (yards)	Thickness (ins.)	1	10	50
285587	Vinyl electrical tape, Tartan 1710, UL	Black	.75	20	.0070	$1.19	$1.09	$.99
285464	Vinyl electrical tape, Super 33+, UL	Black	.75	20	.0070	4.95	4.79	4.49
652076	Vinyl electrical tape, Super 35, UL ℛ	Red	.75	22	.0070	4.95	4.79	4.49
652092	Vinyl electrical tape, Super 35, UL ℛ	Violet	.75	22	.0070	4.95	4.79	4.49
652105	Vinyl electrical tape, Super 35, UL ℛ	White	.75	22	.0070	4.95	4.79	4.49
652113	Vinyl electrical tape, Super 35, UL ℛ	Brown	.75	22	.0070	4.95	4.79	4.49
652130	Vinyl electrical tape, Super 35, UL ℛ	Blue	.75	22	.0070	4.95	4.79	4.49
652148	Vinyl electrical tape, Super 35, UL ℛ	Green	.75	22	.0070	4.95	4.79	4.49
652156	Vinyl electrical tape, Super 35, UL ℛ	Yellow	.75	22	.0070	4.95	4.79	4.49
652172	General purpose masking tape, Scotch ℛ	Tan	.95	60	.0060	6.95	6.49	5.95
652068	Duct tape 3900, economy grade ℛ	Silver	2.0	60	.0077	9.95	8.95	7.95
285907	Double sided foam tape	White	1.0	4	.1250	15.95	14.95	13.95
652050	Rubber splicing tape, 130C linerless ℛ	Black	.75	10	.0300	15.95	13.49	12.95
645159	Vinyl tape, clean removal ℛ	Red	2.0	36	.0051	27.95	24.95	22.49
651882	Safety stripe tape ℛ	Yellow/Black	2.0	36	.0050	37.95	35.49	32.95

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

JAMECO ValuePro

Solderless Breadboards

JAMECO EXCLUSIVE

The screen-printed color coordinates are suitable for many types of digital and analog prototyping and circuit design. Larger models feature a heavy-duty aluminum backing with binding posts. Use Jameco's AC/DC breadboard power supply, P/N 77682 (below).

- Accepts most electronic components, including integrated circuits and transistors for digital and/or analog circuitry
- 0.1" hole spacing
- Pins are identified by numbered rows and columns
- Ideal for high frequency and low noise circuits
- One-year warranty

Attention Educators! Buy jumper wire on pg 169 in bulk and SAVE!
(see Solid Hook-up Wire on page 57)

20670

20758

20812

WBU5 Series Key Features:

- Horizontal assembly corresponds to the operation flow design of the PC boards for handy operation
- Round hole design makes the electric connection better
- Formed with V-shaped cross-sectional groove, which allows DIP IC pins to be inserted across two parts and to increase the rate of utilization due to small pitch
- Dovetail protrusions and recesses designed to connect two adjacent parts tightly together

JE Series Key Features: ★Web Code: HAC

- Use to breadboard and debug circuit designs
- Low static, plastic body – CMOS safe
- Nickel-plated clips designed to withstand up to 5,000 insertion cycles
- Breadboard strips connect together to form larger working areas
- Components are easily interconnected using 20-28 AWG wire (P/N 19290 & 20080, pg 169)
- Some models feature heavy-duty aluminum backings (20758, 136901, 20812)

Part No.	Cross Ref. No.	Terminal Strips	Bus Strips	Contact Points	Binding Posts	Breadboard Size L" x W"	Baseplate Size L" x W"	Weight (lbs.)	Pricing 1	5	50	100
94457	JE19ℛ	0	1	100	0	6.5 x 0.4	—	0.04	$3.95	$3.59	$3.29	$2.95
20601	JE21ℛ	1	2	400	0	3.3 x 2.1	—	0.13	5.95	5.49	4.95	4.49
20670	JE22ℛ	1	0	630	0	6.5 x 1.4	—	0.20	6.95	6.29	5.49	4.95
194299	JE37ℛ	1	2	640	0	6.9 x 2.4	—	0.25	8.95	7.95	6.95	5.95
20723	JE23ℛ	1	2	830	0	6.5 x 4.0	6.5 x 2.1	0.30	9.95	8.95	7.95	6.95
194272	JE34ℛ	2	3	1,560	3	6.5 x 4.0	8.5 x 4.7	0.73	18.95	16.95	14.95	12.95
20758	JE24ℛ	2	1	1,360	2	6.5 x 3.1	8.5 x 4.0	0.60	14.95	13.49	11.95	10.95
136901	WBU504†	2	3	1,855	4	5.5 x 5.5	7.4 x 6.3	0.90	19.95	17.95	15.95	13.95
20774	JE25ℛ	2	4	1,660	3	6.5 x 4.3	8.5 x 5.1	0.80	20.95	18.95	16.95	14.95
20791	JE26ℛ	3	5	2,390	4	6.9 x 5.8	9.1 x 6.9	1.10	27.95	24.95	21.95	19.95
20812	JE27ℛ	4	7	3,220	4	7.3 x 7.5	9.5 x 8.3	1.40	33.95	29.95	26.95	24.95

† WBU5 and JE series do not interconnect

Breadboard Pin to Breadboard Pin Test Leads

Part No.	Description	1	10	50
421315	Breadboard pin to breadboard pin test leads (20 pk), 4 each color-coded (red, yellow, blue, black, white), 24 AWG wire, 5.9" wire length (150mm)	$9.95	$8.95	$7.95

Digital Design Lab

Our most popular digital lab!

★Web Code: LAJ

- 1580 tie points
- Fixed power supply: ±5VDC @ 1.0A
- Two 7-segment displays (digit height: 0.3")
- DCV digital multimeter • One-year warranty

Solderless Breadboard

- Interconnected nickel-plated tie points, fitting all DIP sizes and all components with AWG #22-30 (0.3-0.8mm) solid leads

DC Power Supplies

- DC supplies equipped with short-circuit protection
- Variable DC power: 0 to +15V & 0 to -15V @ 0.5A

Function Generator (5 ranges)

- Frequency ranges: 1Hz–10Hz, 10Hz–100Hz, 100Hz–1kHz, 1kHz–10kHz, 10kHz–100kHz • Sine wave output: 0–8 Vp-p variable
- Triangle wave output: 6Vp-p fixed • Square wave output: ±5V fixed

Includes: Power cord and manual

International 115/220VAC Switchable

Part No.	Description	Size (W" x D" x H")	Wt. (lbs.)	1	5
75839	Digital lab ℛ	10.6 x 13.3 x 5.0	8.1	$399.95	$379.95
1952599	Replacement breadboard ℛ	4.5 x 6.75 x 0.37	0.5	29.95	26.95

AC/DC Power Supply

Ideal for Breadboards on above

With built-in short-proof regulated power supplies.

International 120/220VAC Switchable

- Input power: 120/220VAC @ 50-60Hz (switchable)
- Indicator lamps and power fuses
- Just plug in & start to use • Compact & lightweight
- For both digital and analog circuits
- Compatible with test leads P/N 77842, pg 155
- Size: 7.4"W x 5.5"D x 2.6"H • Color: beige
- Weight: 5.5 lbs. • One-year warranty

Output Specifications:
+5VDC @ 1A;
-5V @ 300mA fixed;
0 to +15VDC @ 500mA variable;
0 to -15VDC @ 300mA variable;
12-6-0-6-12 tapped VAC,
300mA fixed

Part No.	Product No.	1	5
77682	Power supply ℛ	$165.95	$149.95

Digital/Analog Design Labs

Solderless Breadboard

- 2712 interconnected nickel-plated tie points, fitting all DIP sizes and all components with AWG #22-30 (0.3-0.8mm) solid leads

136267

DC Power Supplies

- Fixed DC output: +5VDC @ 1A; -5VDC @ 300mA
- Variable DC output: 0 to +15V & 0 to -15V @ 500mA (P/N 136267) 0 to +15V & 0 to -15V @ 1A (P/N 1919211)
- Input power: 110/220VAC @ 50-60Hz (switchable)

Function Generator • Frequency ranges: 1Hz–10Hz, 10Hz–100Hz, 100Hz–1kHz, 1kHz–10kHz, 10kHz–100kHz

- Sine & square wave output: 0–8 Vpp variable
- Triangle wave output: 0–6 Vpp variable
- TTL mode output: 5Vpp (P/N 1919211 only)

Other features

- 2.5" dia. 8Ω, 25W speaker • 2 banana sockets, 2 BNC jacks
- 2 pulse switches (2 sets of outputs: $\overline{A}$, A, $\overline{B}$, B)
- Two 7-segment LED displays (digit height: 0.3")

136267:

- 2 variable resistors: VR1=1kΩ, VR2=100kΩ • 8 data switches
- 8-bit red LEDs with separate input terminals • One-year warranty

1919211: • 16 bit data switches w/ corresponding output points • 16 red LEDs w/ separate input terminals

Includes: Power cord and manual (both P/Ns 136267 & 1919211); jumper wires (P/N 1919211 only)

Part No.	Description	Size (W" x D" x H")	Wt. (lbs.)	1	5
136267	Digital/analog lab ℛ	12.8 x 9.8 x 3.7	8.5	$399.95	$359.95
1919211	Digital/analog lab	13.0" x 10.5" x 3.5"	9.1	459.95	399.95
319214	Replacement breadboard	6.7 x 6.5 x 0.4	0.5	27.95	24.95

Need special orders or pricing?
Call us at 1-800-831-4242

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Powered Project Breadboards

136259

1942163

- Solderless breadboard with 2420 tie points
- Power switch with light • Outputs are short-circuit protected

★Web Code: XAT

Includes: Power cord

136259:
- Fixed power: +5V @ 1A; variable power: 0 to ±15VDC @ 500mA
- Edge plate for non-DIP size components
- Input power: 120/220VAC @ 50-60Hz (switchable)
- Replacement fuse: P/N 103908, pg 40
- One-year warranty
- Breadboard size: 7.4"L x 6.8"W
- Back panel has ground terminal

1942163:
- Input power: 110VAC or 220VAC @ 50-60Hz (switch selectable)
- Triple output power supply: fixed 5VDC @ 1A; 0 to +16VDC @ 500mA (adjustable); 0 to -16VDC @ 500mA (adjustable)
- Grounded case
- Fuse protection
- Overload protection
- Lighted power switch

Part No.	Description	Overall Size	Wt. (lbs.)	1	5
136259	15VDC @ 500mA ℛ	9.8"L x 8.0"W x 2.6"H	6.8	$175.95	$159.95
1942163	5VDC @ 1A & 16VDC @ 500mA	10.3"L x 8.8"W x 3.3"H	6.0	99.95	89.95

Wire Jumper Kits

19290

- 0.1" to 5.0" lengths (14 sizes)
- Pre-stripped/preformed
- Clear plastic durable case
- 22 AWG solid wire jumpers in 10 colors

2096018: 140 pieces, 10 of each length
19290: 350 pieces, 25 of each length
20080: 350 pieces, refill for 19290

★Web Code: LAS

Part No.	Description	1	10	50	100
20080	Refill for 19290 ℛ	$11.95	$10.95	$8.95	$6.95
19290	350-piece kit ℛ	16.95	14.95	12.95	10.95
2096018	140-piece kit ℛ	7.95	7.29	6.59	5.95

Reinforced Jumper Wires

126342

- 24 AWG-300 volts
- Reinforced pin ends for durability
- 10 pack assortment: 2 each yellow, white, red, black & blue

★Web Code: LAS

Part No.	Cross Ref. No.	Length (mm/inch)	1	10	100
126360	JW50 ℛ	50/1.97	$3.95	$3.59	$3.19
126342	JW100 ℛ	100/3.94	5.95	5.39	4.95
126325	JW200 ℛ	200/7.87	6.95	6.29	5.49

Pomona Stackable Banana Test Lead Cables

★Web Code: TLC

159901

159919

Part No.	Mfr. P/N	Description	1	10	25
159901	B-24-02 ℛ	(2) 24" leads	$9.95	$8.95	$8.29
159919	B-36-02 ℛ	(2) 36" leads	10.95	9.95	8.95

Test Leads & Clips

See pages 154-155 for our selection

Bug Boxes

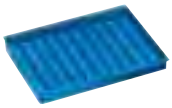
11375 11341

- Anti-static plastic
- Fits in bug cage (P/N 11332, below)
- Box size: 4.9"L x 3.3"W x 0.6"H
- Color: blue

11341: Stores sixty 8-pin or thirty 16-pin DIPs
11375: Designed to store all types of components

Part No.	Description	1	10	100
11341	30 compartments	$5.95	$5.49	$4.95
11375	3 compart./3 vertical & 3 horizontal dividers	5.95	5.49	4.95

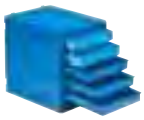
Bug Tray



- Fits in bug cage (P/N 11332, below)
- 10 compartments 3.2"L x 0.4"W x 0.4"H ea.
- Tray size: 4.8"L x 3.6"W x 0.5"H

Part No.	Description	Color	1	10	100
11800	Divided bug tray	Blue	$4.95	$4.49	$3.95

Bug Cage


Boxes/Trays not included

- Holds bug boxes or trays
- Modular and interlocking
- Case size: 5.0"L x 3.9"W x 5.1"H

Part No.	Description	Color	1	10	100
11332	Bug cage	Blue	$8.95	$7.95	$6.95

Plastic Fliptop Case for SMDs

JAMECO ValuePro — JAMECO EXCLUSIVE

- 128 compartments
- 8 rows x 16 columns grid
- Fliptop openings on each bin
- Padded cover locks bins closed
- Perfect match to store P/N 156882 SMD resistor assortment, pg 52
- Size: 11.0"L x 8.3"W x 1.7"Thick • Color: gray

Includes: Labels for each bin

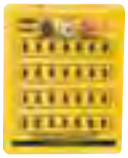
Part No.	Description	1	10
164267	SMD fliptop case ℛ	$49.95	$44.95

Helping You Find What You Need

Can't find the product you're looking for? Call us at 1-800-831-4242.

EXTECH Resistance & Capacitance Decade Substitution Boxes

Wide-range decade substitution boxes for product design or calibration checks.


211668

- Light durable construction
- Case may be grounded separately
- Three binding posts permit isolated substitutions
- Size: 4.7"W x 5.7"H x 1.4"D • Wt: 0.7 lbs.

211668: 1% resistance substitution from 1Ω to 11.111110MΩ
- 7 decade ranges of resistance
- Values can be changed in 1Ω increments • @ 3 watts

211676

211676: 5% capacitance substitution from 100pF to 11.111µF
- 5 decade ranges of capacitance
- @ 50VDC

Part No.	Description	1	5
211668	Resistance	$99.95	$89.95
211676	Capacitance	129.95	119.95

JAMECO ValuePro Component Cabinet

JAMECO EXCLUSIVE

319600

319611 319601 Components not included

Drawer (319601) Divider (319611)

319600:
- Drawer can be divided into 3 sections (clear)
- Wall mountable cabinet (ABS black)
- Cabinet size: 6.0"D x 14.7"W x 7.4"H

Includes: 20 clear plastic drawers, 20 dividers and 30 adhesive I.D. labels

319601: 5.5"L x 2.7"W x 1.5"H; **319611**: 2.5"W x 1.2"H

2108605:
- Counter-top design (ABS blue)
- Cabinet size: 7.0"D x 17.625"W x 9.75"H

2108605

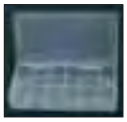
Includes: 14 clear plastic drawers in 3 sizes: 10 ea. 6.375"L x 3.375"W x 1.5"H, 3 ea. 6.375"L x 8.75"W x 1.5"H, 1 ea. 6.375"L x 8.75"W x 3.25"H, and 20 adhesive I.D. labels

NEW MARKED IN PINK

✳ Order in multiples of 10

Part No.	Description	1	10	100
319600	20-drawer cabinet ℛ	$16.95	$15.49	$13.95
2108605	14-drawer cabinet	24.95	22.95	19.95
319601	Drawer for cabinet	.49	.45	.39
319611	Divider for cabinet ℛ	✳	.12	.10

JAMECO ValuePro Plastic Fliptop Boxes


100256

- Clear plastic box with a clear plastic lid and removable dividers

100256: Size: 8.4"L x 4.5"W x 1.4"H
- 18 compartments (1.4" x 1.5" each)

148902: Size: 10.2"L x 4.7"W x 1.6"H
- 12 compartments (1.7" x 2.3" each)

2095955: Size: 7.7"L x 5.3"W x 1.4"H
- 11 individual rounded compartments

Part No.	Description	1	10	100
100256	18 compartments ℛ	$2.29	$1.95	$1.79
148902	12 compartments	3.95	3.49	2.95
2095955	11 compartments ℛ	2.95	2.69	2.39

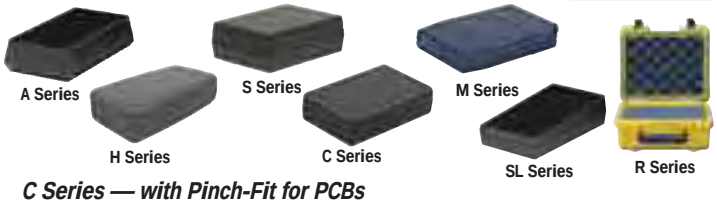
Electro Design

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

SERPAC

Specialty Enclosures

★Web Code: TBY



A Series — with PCB Boss Mounts

• 4-piece design • Interchangeable end panel • 4-insert areas for customized I-plates

Part No.	Mfr. Part No.	Color	Batt. Holder	Size (L" x W" x H")	1	10	100
373456	A-42-BK℞	Black	None	7.12 x 5.00 x 1.62	$14.49	$12.95	$11.49
373608	A-42-9V-BK℞	Black	1-9V	7.12 x 5.00 x 1.62	16.95	15.49	13.95

H Series — Handheld with Built-in Battery Holder

• Ergonomic handheld design • 5-insert areas for customized I-plates

Part No.	Mfr. Part No.	Color	Batt. Holder	Size (L" x W" x H")	1	10	100
694621	H-65-TR-GY℞	Gray	None	4.94 x 2.75 x 0.94	$15.95	$14.49	$12.95
374512	H-65-AA-BK℞	Black	2-AA	4.94 x 2.75 x 0.94	8.95	7.95	6.95
374635	H-65-9V-BK℞	Black	1-9V	4.94 x 2.75 x 0.94	8.95	7.95	6.95
675323	H-67-BK℞	Black	None	4.94 x 2.75 x 1.28	8.95	7.95	6.95
374942	H-67-9V-BK℞	Black	1-9V	4.94 x 2.75 x 1.28	8.95	7.95	6.95
374601	H-75-4AA-BK℞	Black	4-AA	7.20 x 3.65 x 1.20	13.95	12.49	11.95

S Series — Two-piece Standard Enclosures

• 2-piece design • 2-insert areas for customized I-plates

† Insert on top is recessed 0.015" on all models designated with an "I"

Part No.	Mfr. Part No.	Color	Batt. Holder	Size (L" x W" x H")	1	10	100
675454	110-I-BK℞†	Black	None	3.61 x 2.27 x 1.01	$3.49	$2.95	$2.49
675462	111-BK℞	Black	None	3.61 x 2.27 x 1.51	4.49	3.95	3.49
675569	211-BK℞	Black	1-9V	4.10 x 2.60 x 1.51	5.49	4.95	4.49
675489	131-BK℞	Black	None	4.38 x 3.25 x 1.51	5.95	5.49	4.95
675577	231-BK℞	Black	1-9V	4.38 x 3.25 x 1.51	6.49	5.95	5.49
675497	133-BK℞	Black	None	4.38 x 3.25 x 2.51	5.95	5.49	4.95
675500	151-BK℞	Black	None	5.63 x 3.25 x 1.51	5.99	5.49	4.95
675593	251-BK℞	Black	1-9V	5.63 x 3.25 x 1.51	7.95	7.29	6.49
675518	153-BK℞	Black	None	5.63 x 3.25 x 2.51	7.95	7.29	6.49
675526	171-BK℞	Black	None	6.88 x 4.88 x 1.51	9.95	8.95	7.95
675534	172-BK℞	Black	None	6.88 x 4.88 x 2.01	10.95	9.95	8.95
675542	173-BK℞	Black	None	6.88 x 4.88 x 2.51	10.95	9.95	8.95
675551	193-BK℞	Black	None	9.50 x 6.34 x 2.51	15.95	13.49	11.95

Please Note: Images used are representative. Color and shapes may vary by model.

C Series — with Pinch-Fit for PCBs

• Simple 2-piece design • 2-insert areas for customized I-plates

Part No.	Mfr. Part No.	Color	Size (L" x W" x H")	1	10	100
675331	C-4-BK℞	Black	2.13 x 1.38 x 0.58	$2.95	$2.69	$2.39
694567	C-8-TR-RD℞	Red	2.40 x 1.85 x 0.93	4.95	3.95	3.95
675374	C-10-BK℞	Black	3.25 x 2.30 x 0.80	2.95	2.39	2.39
675382	C-12-BK℞	Black	3.75 x 2.40 x 1.00	3.95	3.49	2.95

M Series — Handheld with Built-in Battery Holder

* Translucent

• Streamlined handheld design • 5-insert areas for customized I-plates

Part No.	Mfr. Part No.	Color	Size (L" x W" x H")	1	10	100
675438	M-6-BK℞	Black	4.15 x 2.40 x 0.85	$8.95	$7.95	$6.95
694815	M-6-TR-GY℞	Gray*	4.15 x 2.40 x 0.85	13.49	11.95	10.49
694807	M-6-TR-GR℞	Green*	4.15 x 2.40 x 0.85	14.95	13.49	11.95

SL Series — Sloped Top Enclosures

• Slanted top • 2-insert areas for customized I-plates

Part No.	Mfr. Part No.	Color	Size (L" x W" x H")	1	10	100
694698	05-SW-BK℞	Black	5.63 x 3.25 x 0.91	$5.95	$5.49	$4.95
694680	27-S-BK℞	Black	6.88 x 4.88 x 2.49	11.95	10.49	9.45

R Series — Waterproof Cases to 30 Feet

• Dustproof, corrosion proof, airtight and UV protected with lifetime guarantee
• Auto pressure purge valve, secure lock holes, nut & bolt security & foam-filled

Part No.	Mfr. Part No.	Color	Size (L" x W" x H")	1	10	100
675614	R-120F℞	Black	7.6 x 5.0 x 2.2	$19.95	$17.95	$15.95
675622	R-300F℞	Black	9.59 x 7.42 x 3.98	44.95	39.95	35.95

JAMECO ValuePro

Enclosures

The prototype builder boards on pg 171 are designed to fit into our ABS plastic and aluminum enclosures, metal cabinets and heavy-duty instrument cases. The pre-cut boards have 2 or 4 mounting holes compatible with the PC board mounting hardware listed on pg 171 (P/N 106551).
Board description: Laminated glass epoxy 1/16" thick fire retardant per FR-4 specs. Copper-clad and solder mask one side. Drilled holes: .035" diameter on .080" square pad. Pads spaced on .10" x .10" grid.

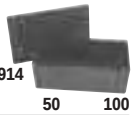
See page 54 for Knobs and 106 Hardware

JAMECO EXCLUSIVE

★Web Code: UAL

*All boards sold separately, see pg 171; multiple boards shown

ABS Plastic Enclosures



Lid for precision fit (adds 0.4" height). Complete with four screws and lid. All sizes below are interior dimensions.

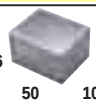
Part No.	Product No.	Size (L x W x D)	1	10	50	100
18922	H2855℞	3.1" x 2.0" x 0.9"	$3.49	$3.19	$2.89	$2.49
18914	H2853℞	4.9" x 2.5" x 1.5"	3.95	3.59	3.19	2.75
18893	H2851℞	6.0" x 3.5" x 1.9"	4.95	4.49	3.95	3.49
18906	H2852℞	7.5" x 4.3" x 2.3"	7.49	6.79	5.95	5.49

Die-Cast Aluminum Enclosures

Made from aluminum, an excellent heat-sink, these cases are great for high temp circuits (up to 600°C). Includes screws.

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
11957	B5002	3.9" x 2.0" x 1.0"	$5.95	$5.49	$4.95	$4.49
11965	B5004	4.7" x 2.4" x 1.6"	8.95	8.29	7.49	6.59
11973	B5006	7.5" x 4.3" x 2.4"	15.95	14.49	12.95	11.49

Aluminum Enclosures



The enclosure comes in two pieces which slide together.

Part No.	Product No.	Size (L x W x D)	1	10	50	100
11870	H2300℞	4.0" x 2.0" x 2.8"	$5.95	$5.49	$4.95	$3.95
11886	H2320℞	5.0" x 4.0" x 3.0"	8.95	7.95	6.95	5.95
11894	H2335℞	7.0" x 6.2" x 4.6"	9.95	8.95	7.95	6.95

Metal Enclosures

• Mounting screws and rubber feet included
• Glossy black textured steel top cover and ivory aluminum base

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
208901	B2741A	4.0" x 3.3" x 2.2"	$5.95	$5.49	$4.95	$4.49
208911	B2743A℞	5.9" x 5.3" x 3.0"	8.95	8.29	7.39	6.59
209350	B2746A℞	6.3" x 7.8" x 2.5"	9.95	8.95	7.95	6.95
208929	B2744A℞	7.3" x 6.3" x 2.8"	9.95	8.95	7.95	6.95
209358	B2747A℞	7.5" x 9.8" x 3.2"	14.95	13.49	11.95	10.95

ABS Heavy-Duty Instrument Cases

P/N 18877 includes ventilation and speaker sound slots.

Part No.	Product No.	Size (L x W x D)	1	10	50	100
18869	H2505℞	7.9" x 6.3" x 2.5"	$7.95	$7.29	$6.59	$5.95
18877	H2507℞	10.0" x 7.5" x 3.1"	8.95	7.95	7.49	6.95

ABS Enclosures w/ Clear Tops

Includes screws for mounting boards, rubber gasket for a tight seal on your equipment & drilled holes for mounting.

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
141832	203C1℞	4.9" x 3.4" x 2.4"	$8.95	$7.95	$7.49	$6.95
141841	203D1℞	6.5" x 3.4" x 2.2"	9.95	8.95	8.49	7.95
141859	203F1℞	7.3" x 5.7" x 3.0"	11.95	10.95	9.95	8.95

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

JAMECO ValuePro

General Purpose Prototyping Boards

JAMECO EXCLUSIVE

Select the prototype board that fits your needs from our comprehensive product listing. Prototyping boards with punched holes are convenient, economical tools for assembling circuit components and trying cost-effective alternatives to custom designs.

206579 21435 52943 21478

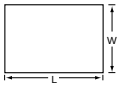
- 0.062" board thickness
- 0.1" hole spacing
- 0.08" pad size
- PCB material epoxy glass
- Plated through pads are double-sided

★Web Code: LAG

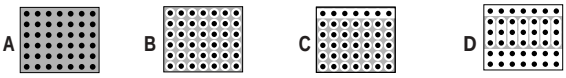
See PCB enclosures on pg 170, and mounting hardware (recommend P/N 106551) below

106551

Board Outline



Circuit Patterns



A Holes Only; B Pad Per Hole; C Power/Ground Perimeter Bus with Pad Per Hole; D 3 Hole Solder Pad and Bus

Part No.	Cross Ref. Number	Size (W" x L")	Fits Enclosure(s) (see page 170)	Circuit Pattern	Hole Pads	# Holes x Dia. †	Power/Ground Buses	Connector I/O or Edge	# Mounting Holes x Dia.	Wt. (lbs.)	Pricing 1	10	50	100
105102	5002PCBℛ	1.50 x 3.50	11957	C	Single-sided	365 x .038"	4	None	2 x .140"	.02	$6.95	$5.95	$4.95	$3.95
105100	2855PCBℛ	1.60 x 2.70	18922	B	Single-sided	288 x .035"	None	None	2 x .115"	.02	5.49	4.95	4.49	3.95
105129	2853PCBℛ	2.00 x 4.40	18914, 11965	C	Single-sided	669 x .038"	4	None	4 x .140"	.03	8.49	7.59	6.75	5.95
105111	2300PCBℛ	2.40 x 3.40	11870	C	Single-sided	637 x .038"	4	None	2 x .140"	.03	7.95	7.19	6.49	5.95
263207	PCB-463ℛ	2.40 x 4.10	—	B	Plated through	640 x .042"	None	None	4 x .120"	.05	8.95	7.95	6.95	5.95
28178	PCB1ℛ	2.42 x 4.10	—	C	Plated through	674 x .040"	None	None	4 x .120"	.04	6.95	6.25	5.59	4.95
263215	PCB-858ℛ	2.50 x 4.50	18914	D	Plated through	640 x .042"	None	None	4 x .120"	.05	8.95	7.95	6.95	5.95
105153	2851PCBℛ	3.10 x 5.50	18893	C	Single-sided	1450 x .035"	7	None	4 x .140"	.07	9.95	8.95	7.95	6.95
263223	PCB-69ℛ	3.30 x 3.70	—	B	Single-sided	900 x .042"	None	None	4 x .120"	.05	8.95	7.95	6.95	5.95
105137	2320PCBℛ	3.30 x 4.50	11886	C	Single-sided	1266 x .035"	4	None	4 x .140"	.06	8.95	7.95	6.95	5.95
105162	2852PCBℛ	3.60 x 7.00	18906, 11973	B	Single-sided	2225 x .035"	4	None	4 x .140"	.10	13.95	12.49	10.95	9.95
21531	JE417ℛ*	4.20 x 6.50	—	C	Plated through	2126 x .042"	2	D-sub 9/15/25/37	8 x .120"	.12	14.95	13.49	11.95	10.95
206587	2746APCBℛ	4.30 x 6.80	209350	C	Single-sided	2550 x .042"	5	None	4 x .140"	.07	9.95	8.95	7.95	6.95
21435	JE401(8001)ℛ	4.50 x 6.50	18869	B/D	Single-sided	2360 x .042"	2	None	None	.12	16.95	15.49	13.95	11.95
21452	JE405(8003)ℛ	4.50 x 6.50	18869	C	Single-sided	2360 x .042"	1	None	None	.12	16.95	15.49	13.95	11.95
206579	2743APCBℛ	4.60 x 4.30	208911	C	Single-sided	1684 x .042"	5	None	4 x .140"	.07	7.95	6.95	5.95	5.29
105180	2505PCBℛ	5.00 x 6.50	18869	C	Single-sided	2829 x .035"	7	None	8 x .120"	.13	13.95	12.49	10.95	9.95
28194	PCB3ℛ	5.00 x 8.00	18877	C	Plated through	3705 x .042"	4	Mounting area-I/O	4 x .120"	.17	23.95	21.49	19.95	18.95
21478	JE407(8006)ℛ	5.00 x 13.25	—	B	Plated through	6063 x .038"	None	None	8 x .120"	.28	39.95	35.95	32.95	28.95
206594	2747APCB	5.50 x 8.00	209358	C	Single-sided	3906 x .042"	5	None	4 x .140"	1.0	11.95	10.95	9.95	8.95
105187	2507PCB	6.10 x 8.80	18877	C	Single-sided	4771 x .035"	7	None	8 x .140"	.21	16.95	15.49	13.95	11.95
263232	PCB-7038ℛ	8.30 x 11.9	—	B	Plated through	8819 x .042"	10	5	4 x .115"	.40	39.95	35.95	31.95	27.95

*PC/XT 8-bit

VECTOR ELECTRONIC COMPANY

Vector Prototyping Boards

43140	64P44XXXP	4.50 x 6.50#	18869	A	Drilled only	2860 x .042"	None	None	None	.09	$8.95	$8.49	$7.95	$7.49
52943	84P44WE	4.50 x 8.50	18877	A	Drilled only	3740 x .042"	None	None	None	.15	12.95	12.45	11.95	11.49
37612	169P44XXXP	4.50 x 17.0#	—	A	Drilled only	7524 x .042"	None	None	None	.25	14.95	13.95	13.49	12.95
37621	169P84WE	8.50 x 17.0	—	A	Drilled only	14,448 x .042"	None	None	None	.53	29.95	28.95	27.95	26.95
106551	20 pieces; PC board mounting hardware (4 spacers, 8 screws and 8 washers) used with all above boards (manufacturer may vary)										2.95	2.59	2.29	1.95

PCB material: phenolic † All 0.042" Diameter hole boards use terminals P/Ns 34147, 34155 and 34163 (below left)

PT Series Prototyping Boards

★Web Code: WCG

Accommodates any mixture of 0.3" to 0.6" wide ICs with any number of pins, and any combination of resistors, capacitors, diodes, transistors, etc.

- 4 power buses that connect to a power jack (recommended P/Ns 101178, pg 126 & 101186, pg 127)

Part No.	Cross Ref. No.	Size	Hole Pads	# Holes x Dia.	# Mntg Holes x Dia.	1	10	50
645677	PT-35X25	3.5"L x 2.5"W	Double-sided	456 x .036"	4 x .140"	$16.95	$14.95	$12.95
262511	PT-5X37	5"L x 3.7"W	Double-sided	1135 x .036"	4 x .140"	23.95	21.95	18.95
262537	PT-6X49	6"L x 4.9"W	Double-sided	1931 x .036"	4 x .140"	29.95	26.95	23.95

262511 262537 645677

VECTOR ELECTRONIC COMPANY

Wire Wrap and Push-In Terminals

For .042" Diameter Holes

- Material: copper alloy
- Prebagged 100 pcs.

34147: Push-In Micro-Klip Terminals

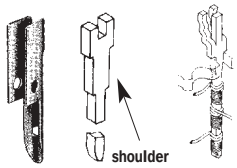
- Overall length: .36"
- Post size: .032" x .045"

34155: Miniwrap Wiring Terminals

- Shoulder: .045"
- Overall length: .69"
- Post size: .025"Sq.
- Two-prong with square tail for wire wrapping

34163: Klipwrap Wiring Terminals

- Overall length: .83"
- Post size: .025"Sq.
- Three-prong with square tail for wire wrapping



34147 34155 34163

★Web Code: XCE

Part No.	Mfr. Part No.	Height Above .062" Board	Length Below .062" Board	100 pc. units 1	10
34147	T421	.200	.097	$8.95	$7.95
34155	T44	.065	.530	9.95	8.95
34163	T49	.200	.530	17.95	16.49

DATAK

Pre-Sensitized Circuit Boards & Chemicals

- Pre-coated circuit board
- 1/16" thick

Includes: Instructions

NEW MARKED IN PINK

156751

P/N 2097088 Includes:
ER-18 tinnit solution, 8" x 6" x 2" pan, 16 oz. bottle

Part No.	Product No.	Description	1	10	50
2097117	14-024	Single sided (2.0"L x 4.0"W)	$4.49	$3.95	$3.49
156751	14-034	Single sided (3.0"L x 4.0"W)	4.95	4.49	3.95
156742	14-234	Double-sided (3.0"L x 4.0"W)	5.95	5.49	4.95
156734	12-404*	4 oz. positive developer	14.95	13.49	11.95
2097070	12-500	Clear copy sheets (8.5" x 11.5") 5 pk.	4.49	3.95	3.49
2097096	12-710	4 oz. developer/fixer concentrate	7.95	7.49	6.95
2097109	12-720	Neg. fast-acting film, 6 sheets, use w/ 2097096	7.95	7.49	6.95
2097088	12-800	Tin plating copper kit	16.95	15.49	13.95
70201	ER3*	Dry concentrated etchant (makes 1 pint)	5.95	5.49	4.95

*Shipped via UPS ground – available continental U.S. only

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Positive Pre-Sensitized Circuit Boards

1 oz. copper on 1/16" epoxy glass board, UL94V-0 rated. The peel-off coating protects the board while handling or cutting prior to exposure.

Part No.	Product No.	Description	Size	1	10	50
616251	21-334	Single-sided	4" x 6"	$5.95	$5.49	$4.95
616260	21-336	Single-sided	6" x 6"	7.95	7.29	6.49
616307	21-353	Double-sided	6" x 9"	13.95	12.95	11.95

Prototype Boards

Export Design Phenolic Prototype Board

Accommodates all types of IC's, transistor packages and passive parts. Lands and bus bars are tin plated. 0.1" centers.

Part No.	Product No.	Size	1	10	50
616631	22-504	3 1/8"W x 5 1/16"L x 1/16"Thick	$5.95	$5.49	$4.95

Experimenter's Phenolic Prototype Boards

616649: • Copper plated with 94 five-point terminals and two 40-point bus strips
616673: • Single land pattern

616649

616673

Part No.	Product No.	Size	1	10	50
616649	22-508	2.0"W x 6.0"L x 1/16"Thick	$10.95	$9.95	$8.95
616673	22-512℞	3 3/8"W x 6.75"L x 1/16"Thick	6.95	6.49	5.95

Perforated Bare Phenolic Prototype Boards

Unexcelled for prototypes, breadboards, hobby or science projects. Bare phenolic board with no copper clad.

616681: 0.1" spacing **616690:** 0.265" spacing

Part No.	Product No.	Size	Hole Dia.	1	10	50
616681	22-514	2.25"W x 6.0"L x 1/16"Thick	.093	$8.49	$7.95	$7.39
616690	22-516℞	4.5"W x 6.0"L x 1/16"Thick	.042	5.95	5.49	4.95

Versa Strip Phenolic Prototype Board

- Alpha-numeric indexing
- Silver-plated land patterns
- 0.035" diameter holes
- 0.1" centers

Part No.	Product No.	Size	1	10	50
616622	22-502	3.5"W x 6.0"L x 1/16"Thick	$9.95	$8.95	$8.49

Plug-In IC Phenolic Prototype Board

ICs plug directly into board. It's 0.1" spacing accepts 14-pin up to 20-pin ICs. Silver plated lands with 24-way card edge connector plug on one end. 0.035" diameter holes.

Part No.	Product No.	Size	1	10	50
616614	22-500	2.38"W x 4.0"L x 1/16"Thick	$4.49	$4.29	$3.95

Copper-Plated Blank Circuit Boards

JAMECO ValuePro

Ideal for hobbyists & students doing prototypes of circuits. Both single and double-sided boards are copper plated.
• 1.6mm (1/16") thick • PCB material: phenolic

Fig. 1

Fig. 2

Fig. 3

Part No.	Cross Ref. No.	Description	Fig.	Size (L" x W")	1	10	50
169279	PCBS3X6	Single-sided	3	2.9 x 5.9	$2.95	$2.69	$2.39
169288	PCBS6X6℞	Single-sided	2	5.9 x 5.9	3.95	3.49	2.95
169296	PCBS12X12℞	Single-sided	1	11.8 x 11.8	9.95	8.95	7.95
169309	PCBD3X6℞	Double-sided	3	2.9 x 5.9	3.49	2.95	2.49
169317	PCBD6X6℞	Double-sided	2	5.9 x 5.9	5.95	5.49	4.95
169325	PCBD12X12℞	Double-sided	1	11.8 x 11.8	19.95	17.95	15.95

Bare Copper Circuit Boards – Single Sided

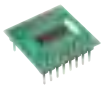
1 oz. copper on base of either fiberglass or reinforced epoxy board.

Part No.	Product No.	Size	1	10	50
616471	22-250	3" x 5" x 1/16"	$3.95	$3.59	$3.29
616489	22-260	4" x 6" x 1/16"	4.49	3.95	3.49
616497	22-261	6" x 6" x 1/16"	4.95	4.49	3.95
616500	22-263	6" x 9" x 1/16"	5.95	5.49	4.95
616518	22-264	8" x 10" x 1/16"	9.95	8.95	7.95
616534	22-268	11" x 14" x 1/16"	17.95	16.95	15.95

Surface Mount Proto Boards

BELLIN DYNAMIC SYSTEMS, INC.

Prototyping SMT circuit boards has been tedious and time-consuming. Now there is an easy, cost-effective and versatile Snap-Apart™ solution from Bellin Dynamic Systems.


In use of 215503

215491

- V-groove scoring between elements for smooth straight edges
- Compatible with .100" single or dual row male headers (see pg 73)
- Board thickness: 0.031" • Size: 7.6"L x 5.0"W
- Visit www.Jameco.com for additional specifications

NEW MARKED IN PINK

★Web Code: HDS

Small SMT

Part No.	Mfr. P/N	Board Description	1	10
215491	B502	160 SMT pattern, SOT/SOIC/TSOP/MSOP/DPAK & more	$44.95	$39.95
227344	B513	300 SMT pattern, SC90, SOT23-6, 323-6, TSOP, MSOP8, 10+	44.95	39.95

SOIC

215520	B505	60 SOIC SMT pattern, SOIC 8, 14, 16, 24, 32, 40 & more	$44.95	$39.95
227310	B510	140 SMT pattern, SOIC 8 to DIP .300" width	44.95	39.95
227328	B511	63 SMT pattern, SOIC nrw/wd 8, 14, 16, 18. 20 to DIP .300"	44.95	39.95
227352	B514	72 SMT pattern, SOIC narrow 8, 14, 16, 18. 20 to DIP .300"	44.95	39.95
227361	B515	30 SMT pattern, SOIC 24, 28, 32 to DIP .600" width	44.95	39.95

Fine Pitch Dual Row

215503	B503	34 SMT pattern, SOIC/QSOP/TSOP/MSOP/TSSOP & more	$44.95	$39.95
227281	B507	40 SMT pattern, SSOP/TSSOP 16, 20, 32, 40 & more	44.95	39.95
323889	B516	54 SMT pattern, 0.65mm TSSOP 14/16/20/28 to DIP 0.300/0.600	44.95	39.95
323900	B517	18 SMT pattern, 0.4mm/0.5mm/0.65mm TSSOP 48	44.95	39.95
681141	B536	4 SMT pattern, 0.5mm TSSOP 14/16/20/28	44.95	39.95
2097934	B537	54 SMT pattern, 0.4mm TVSOP 14/16 & TSSOP/TVSOP 20/28	44.95	39.95

Quad

215511	B504	7 SMT pattern, 50mm PLCC/LCC 18RJL/20/22RJ/28/28RJ/32RJ/44; 18 SMT pattern, 0.4/0.5/0.65/0.8/1mm, QFP/TQFP 32/44/48/52/64/70/80/100/100A	$44.95	$39.95
323918	B518	2 SMT 0.65mm or 0.8mm pitch, universal QFT adapter for QFP32/40/48/56/64 (by 8-pin increments to 256 pins)	44.95	$39.95
336479	B530	8 SMT, 0.65/0.80mm QFP/MLF 8 - 80 pins (even # of pins/side)	44.95	39.95
336487	B531	8 SMT, 0.65/0.80mm QFP/MLF 4 - 76 pins (odd # of pins/side)	42.95	37.95
336508	B533	8 SMT, 0.40/0.50mm QFP/MLF 4 - 76 pins (odd # of pins/side)	42.95	37.95
681150	B535	8 SMT, 0.40/0.50/0.65/0.80mm QFP/TQFP/QFN/MLF/MLP 4/8/12/16/24/28/32 pins	44.95	39.95

PCB Connector (0.062" thick through-hole)

Part No.	Mfr. P/N	Description	Price
227272	B506	45 SMT pattern, USB A, B/1394/RJ11, 12, 45/DB9 PCB connector	$39.95

PitchStick™

227299	B508	20 SMT pattern, 48 inline pads, metric/rare pitches	$39.95
227301	B509	20 SMT pattern, 48 inline pads, 50 & 25 mil pitches	39.95
681133	B534	2 SMT pattern, 48 inline pads, 19.69/25.59 mil pitches	39.95

Kit

681205	KIT-302	1 each of B504, B505,B507, B508, B510, B513, B514, B515, B516, B517, B518, B519, B535, B536, B537 & 3 of B500	$449.95

Development Board

- Six slots for DC regulators
- "Star Ground" points for non-isolated supplies
- Marked referencing: chassis, earth or circuit common

Part No.	Mfr. Part No.	1	10
2097942	B500	$44.95	$39.95

Surfboards®

Mini Breadboards for Surface Mount Devices.

207360

207394

207597

★Web Code: QBG

Part No.	Mfr. Part No.	1	10
207360	9081 (For 8-pin SOIC)	$1.49	$1.19
207378	9082 (For 8-pin SOIC)	3.95	3.49
207386	9161 (For 14/16-pin SOIC; 0.1"pin spacing; 0.65"H)	1.95	1.75
207394	9163 (For 14/16-pin SOIC; 0.1"pin spacing; 0.65"H)	5.95	4.95

Application Specific Adapters

Part No.	Mfr. Part No.	Accepted Devices	Pins	1	10
207589	33205	SOT-23-5/SC59-5	5	$1.75	$1.59
207597	33206	SOT-23-6/SOT-23-L/SC-59-6/TSOP-6	6	1.95	1.55

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

SchmartBoard Prototyping Boards

SchmartBoard™ is the only prototyping system that makes it possible for anyone to hand solder mount components. Whether SOIC, QFP, QFN or even BGA you can easily, flawlessly and quickly hand solder it.

1537580

1537635

1537660

• Size: 2" x 2" grid

★Web Code: ADS

Thru Hole Board

Part No.	Mfr. Part No.	Description	1	5
1537580	201-0001-01	0.1" center spacing w/ 0.5 offset, 12 ground holes	$7.95	$6.95

SO/SOP Board

Part No.	Mfr. Part No.	Description	1	5
1537635	202-004-01	4-56-pin SOIC w/ 0.05" pitch, 0603 and thru hole components, 12 ground holes	$13.95	$12.49

QFP Board

Part No.	Mfr. Part No.	Description	1	5
1537660	202-0011-01	32-100 pins QFP, TQFP, PQFP w/ 0.5mm pitch & 0603 discrete, 6 ground holes	$13.95	$12.49

PLCC Prototype Adapters

- PLCC socket slotted for PLCC chip remover
- Tin-plated PLCC connector
- Gold-plated round pins • PCB construction
- PLCC socket identifies pin 1 and orientation key
- Silkscreen numbers identify pin numbers in groups of 5 and 10

Part No.	Pins	Size (L x W)	1	5	25
73542	44ℛ	2.3" x 1.6"	$13.95	$12.49	$11.95
73551	68ℛ	3.4" x 1.6"	17.95	15.95	13.95
73569	84ℛ	4.3" x 1.9"	19.95	17.95	15.95

microEngineering Labs PICBasic & Pro Compilers

- Compatible w/ most PICmicro MCU programmers including EPIC plus
- Use in DOS or Windows® (includes Windows® editor/DE software)
- I²C instructions to access external serial EEPROMs

150543

132661: PICBasic Compiler

- Expanded BASIC Stamp I compatible instruction set
- Supports PIC12C67x, 14Cxxx, 16C55x, 66x, 7xx, 84, 92x, and 16CF8xx microcontrollers • Serial speeds to 9600

150543: PICBasic Pro Compiler

- Direct and library routine access to any pin or register
- Automation page boundary handling past 2k • Built-in LCD support
- MPLAB/MPASM/ICE compatibility • Bit, byte, word arrays
- Supports PIC12C5xx, 12C67x, 12CE67x, 14C000, 16C5x, 16C55x, 6xx, 7xx, 84, 92x, 16CE62x, 16F62x, 7x, 8x, 87x, 17Cxxx and 18Cxxx microcontrollers

Part No.	Mfr. Part No.	Description	1	5
132661	PBC	PICBasic compiler	$89.95	$79.95
150543	PBP	PICBasic Pro compiler	225.95	195.95

microEngineering Labs Experimenter's Module Board

Provides an assembled test bed containing most of the circuitry commonly used with PIC microcontrollers. Many different projects may be created using the LAB-X1, including calculator, voltmeter, LCD backpack, tone dialer and RC servo controller.

- 40-pin ZIF socket for PIC MCU (P/N 104030, below) and PIC16F877-20/P (P/N 176882, below)
- Reset button • 16 switch keypad • 2 RC servo connectors
- LED bargraph • RS-232 interface • 3 potentiometers • Speaker
- 2 lines x 20 characters LCD module • Size: 5.5" x 5.6" • One-year warranty
- Socket for I2C & SPI serial EEPROM, RS-485 interface, Microwire serial EEPROM and real time clock/serial analog to digital converter (devices not included)
- EPIC in-circuit programming connector • Prototyping area for additional circuit

Requires: AC adapter (below)

Part No.	Description	1	5
169113	LAB-X1A experimenter board (assembled)	$199.95	$189.95
176882	PIC16F877-20/P microcontroller (pg 11)ℛ	5.65	5.45
127976	AC adapter (details on pg 120)	6.95	6.25
104030	40-pin ZIF socket (details on pg 82)ℛ	11.95	10.75

microEngineering Labs "PICProto" Prototyping Boards

- Holds microcontroller, 5V regulator, oscillator, capacitors and DB9-25 connector
- Double-sided board with plated-through holes
- Large prototyping area
- Silkscreen legend
- Solder mask on both sides makes soldering easy

★Web Code: DAT

132644

132636

132652

Includes: Documentation sheet with schematic, suggested parts and placement

PICProto 18, 18L: All 18-pin PICs including PIC16C52, 54, 56, 58, 554, 558, 61,620, 621, 622, 71, 710, 711, 712, 715, 716, 84, 16CE623, 624, 625, 16F627, 628, 83 and 84

Part No.	Mfr. Part No.	Description	Size (L" x W")	1	5
132644	PP18	PICProto 18ℛ	3.0 x 1.5	$9.95	$8.95
176891	PP18L	PICProto 18L	3.6 x 4.1	19.95	17.95

PPUSB: For the 28-pin PIC16C745, 765; PIC18F2450, 2455, 2550
For the 40-pin PIC18F4450, 4455, 4550

1942180	PPUSB	PICProto USBℛ	3.6 x 4.1	$19.95	$17.95

PICProto 3: For the 28-pin PIC16C62, 63, 642, 66, 72, 76, 773, 16F73, 76, 870, 872, 873, 876, 18C242 and 252

132636	PP3	PICProto 3ℛ	3.0 x 3.0	$14.95	$12.49

PICProto 64: For the 40-pin PIC16C64, 65, 662, 67, 74, 77, 774, 16F74, 77, 871, 874, 18C422 and 452

132652	PP64	PICProto 64ℛ	4.0 x 3.0	$16.95	$12.95

Microchip PICkit™ 2 Microcontroller Starter Kit

The PICkit™ 2 microcontroller programmer is a low cost development programmer. It is capable of programming most of Microchip's Flash microcontrollers. New device support can be added by updating the operating system. The latest firmware is available on Microchip's website. This kit includes PICkit™ 2 microcontroller programmer, USB cable and CD ROM.

Part No.	Mfr. Part No.	Description	1	5
697338	DV164120ℛ	Programmer starter kit	$74.95	$69.95

Velleman PIC™ Programmer Board

- Regularly updated list of microcontrollers through Velleman's website (www.vellemanusa.com)
- On-board configurable 40-pin ZIF socket
- Easy to use programming PICprog2006 software included • Size: 5.3"L x 2.6"W
- On-board "In Circuit Programming" DSUB-9 connector
- Power supply: 15VDC @ 300mA adapter (recommend P/N 190001, pg 121)
- Supports over 50 PIC products. Visit www.vellemanusa.com for details

System requirements: IBM compatible PC, Pentium or better, Windows® 98/ME/NT/XP/Vista, CDROM drive, RS-232 port

Part No.	Mfr. Part No.	Description	1	5
2006844	VM134	PIC™ programmer board	$89.95	$84.95

microEngineering Labs USB PIC Programmer

More than 300 PIC microcontrollers are supported and support for future devices can be added via FLAS firmware updates. Intelligent voltage regulation allows programming of the new, low voltage PIC® MCUs as well as standard 5V devices.

- Dual color indicator shows ready/busy states
- Full featured, command-line operation • Fast full speed USB data transfer
- Standard USB cable (Type A male to Type B male) • HID interface
- Automatic Vdd and Vpp adjustment for different PIC MCUs
- In-Circuit Serial Programing (ICSP) connector for interface to project board
- Compatible with microchip HEX format files & all programming adapters

Part No.	Mfr. Part No.	Description	1	5
1942382	U2	USB PIC programmerℛ	$99.95	$89.95
1942606	840Z	ZIF adapter (8-40 pins)ℛ	39.95	37.95

★MicroEngineering Labs Programmers Available Online — Enter Web Code: EAT

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

microEngineering Labs — EPIC Plus PICmicro Programmer

The EPIC Plus Programmer quickly and easily programs the PIC12Cxxx, 12CExxx, 16C505, 16C55x, 6xx, 7xx, 84, 9xx, 16CE62x, 16F62X, 7x, 8x, 87x, 14C000, 17C7xx, 18Cxxx microcontrollers from Microchip. The basic programmer includes an 18-pin socket for programming 8, 14 and 18-pin PICmicro MCUs. Devices available separately on page 11.

- Simple installation with parallel port (printer) interface
- Command line operation for automated, non-interactive programming

Requires: Two 9V batteries or AC adapter (below)

Part No.	Description	1	5
132679	EPIC Plus PICmicro programmer	$59.95	$53.95
136397	8/18/20-pin ZIF adapter	34.95	32.95
132610	40/28-pin ZIF adapter	34.95	32.95
162317	AC wall adapter (16VDC/500mA, details on pg 121)	9.95	8.95
67257	6' DB25 cable (details on pg 180)℞	7.95	6.95

XELTEK — 37,000+ Device/48-Pin USB Stand-Alone Gang Programmer

- 4 high speed 48-pin DIP programming sockets with four 128MB flash cards
- Supports 37,000+ devices, and growing
- Operates in both PC and stand-alone mode for volume production
- Programs latest low voltage devices
- ISP (in-system programmable) devices supported
- Asynchronous fast programming, each module is independent from one another
- Programming starts automatically when a chip is inserted
- Supports EPROM, EEPROM, serial EPROM, paged EPROM, serial PROM, flash EPROM (NOR & NAND), NVRAM, SPLD, CPLD, EPLD, MCU, microcontroller, SRAM, and standard logic devices with voltages down to 1.5V
- Stand-alone interface: 16 characters x 4 lines backlit LCD, 6 standard hard-keys, 4 compact flash cards (removable which can support up to 256MB)
- Operating volt.: AC input of 90-250V @ 50/60 Hz, or 24V @ 5A power adapter
- Size: 21.3"L x 7.7"W x 2.3"H

Includes: 4 128MB CF cards, AC adapter, CD-ROM, USB cable and manual

Part No.	Description	Price
692490	SUPERPRO 9000U programmer	$2,399.95

SAVE $1295.00 Suggested Resale $3695.00

512k (E)EPROM/Flash Programmer w/ USB Interface

Compact, portable, and lightweight stand-alone (E)EPROM Flash programmer. Also interfaces with your PC through the USB port.

- Programs Flash EPROMs, EEPROMs, EPROMs & more
- 2 sockets for master/slave operation
- Stand-alone mode uses two 9V batteries
- Adjustable IC parameters such as programming algorithm, Vpp voltage & pulse width
- Supports file formats binary and machine code, Intel HEX, Motorola HEX
- Supports Windows® 95/98/NT/2000/ME/XP • Size: 6.3"L x 4.3"W x 1.8"H

Includes: USB cable, 12VDC @ 500mA power adapter and CD-ROM

Part No.	Description	1	5
220636	Leaper-3C ✪	$299.95	$279.95

✪ Blue Part No. = Limited Quantity Available

Flash Writer/Programmer with USB Interface

- Supports Flash EPROMs, EEPROMs & EPROMs
- Type, read, load, edit, checksum, erase, blank check, program, verify, protect functions
- Programs 8-bit Flash serial ICs via USB cable on Windows® 9x/2000/XP
- High speed: only 22 seconds to blank check, program and verify MXIC MX29F040
- File formats supported: binary and machine code, Intel HEX, Motorola HEX, Tektronix

Includes: USB cable, 12V @ 500mA adapter, CD-ROM software and manual

Part No.	Description	1	5
225947	Leaper 3D	$199.95	$179.95

Fast Low-Cost Universal Device Programmer

USB Interface

- Universal device (13000+) support includes the latest NAND Flash Memory, standard Flash Memory, EPROM, EEPROM, serial PROM, GAL, FPGA, and MCU
- On-board FPGAs for extremely fast communication
- Supports real low-voltage support: 5, 3.3, 2.7, and 1.8 volt for programming power
- External "Start" key allows customer to execute the optional auto program parameters without PC command
- Detects all pin locations for poor or damaged pin contacts
- Current limiting protects hardware circuit from improperly inserted or defective chips and operation errors
- External switching power supply, 110-240VAC
- Support a high-speed USB2.0 port for PC interface
- Support a standard IEEE-1149.1 (JTAG) port

MADE IN USA

Includes: USB cable, wall adapter, program CD and manual

System Requirements: IBM PC 386,486, Pentium® or compatibles with USB port, Windows® 98/Me/2000/NT/XP, hard drive, 512K RAM

Part No.	Description	Socket	Price
694866	CHIPMAX 2	48-pin ZIF	$544.95

XELTEK — Superpro Series Universal Programmers

Stand-Alone Programmers for Engineering & Volume Production

Two programmers in one, a double value: stand-alone mode, PC mode ultra-high speed universal programmer, built-in 144-pin-drivers 48,000+ device support and growing; the largest in the industry! 600+ socket adapters to support all ranges of package types.

Superpro 3000U 231221

Part No.	Description	Price
231221	SuperPro-3000U USB℞ ✪	$999.95
231255	32-pin PLCC adapter	89.95

✪ Blue Part No. = Limited Quantity Available

USB Interfaced Ultra-High Speed 48-pin

692457

- More than 35,000/25,000 devices are supported
- Programs + verify INTEL 28F320W18, 32Mb less than 13.5s
- Support in system programming
- Ultra fast programming times

Part No.	Description	Price
692457	Superpro 280U programmer	$499.95
692449	Superpro 580U programmer	699.95

Entry level product with amazing price

- 40-pin low cost universal programmer
- 3,500+ devices are supported self diagnostic test at startup
- Built-in overcurrent protection
- Connect to PC via printed port
- Support Windows® 98/95/2000/NT/ME/XP and Vista

Part No.	Description	Price
231183	Superpro Z programmer	$249.95

★ *Universal Programmers — Enter Web Code SUP*

UVP — EPROM Eraser

- Erases 1 chip in 15 min. or 8 chips in 21 min.
- Conductive foam liner eliminates static build-up
- Maintains constant exposure distance of 1"
- Built-in safety lock to prevent UV exposure
- Complete with holding tray for 8 chips • UV intensity: 6.8mW/cm²

Part No.	Description	Size (L" x W" x H")	Weight	1	5
15712	8-chip eraser	9.0 x 3.7 x 2.6	2.3 lbs.	$154.95	$139.95
34382	Lamp for 15712	—	—	34.95	29.95

Enter web codes online for additional product listings & specifications. Look for the web code box on the home page. www.Jameco.com/More

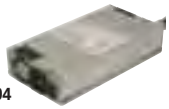
℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

150 to 500-Watt PC Power Supplies

★Web Code: HCA

2081764

196189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1810136

1810144

308814

AT Power Supplies

Part No.	Mfr.	Product No.	Power (W)	Output (VDC/A)	Input (VAC @ Hz)	Input Connector (Mating Connector/Cord)	Certification	Size (L" x W" x H")	Wt. (lbs)	Pricing 1	5	25
2081764	Magic	MPI-925A*	200	+5/20, +12/7.5, -12/1, -5/1	85-265 @ 50-60	3-prong AC receptacle (P/N 38050, pg 130)	UL/CUL/TUV/CE	6.0 x 5.6 x 3.4	3.3	$39.95	$35.95	$31.95
249754	Sparkle	SPI-300G	300	+5/30, -5/0.5A, +12V/12A, -12V/0.5A	100-240 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 130)	UL/CSA/TUV FCC	5.5 x 5.9 x 3.4	3.5	64.95	58.95	52.95
2081861	Pacific Power	KPP400-29	400	+5/42, +12/14, -5/1, -12/1	100-240 @ 50-60	3-prong AC receptacle (P/N 38050, pg 130)	CUL/TUV/CE	5.5 x 6.0 x 3.5	4.6	64.95	57.95	49.95

ATX Power Supplies

Part No.	Mfr.	Mfr. Part No.	Power (W)	Output (VDC/A)	Input (VAC @ Hz)	Input Connector (Mating Connector/Cord)	Certification	Size (L" x W" x H")	Wt. (lbs)	Pricing 1	5	25
196189	Emacs	MPW-6150F*	150	+3.3/6, +5/10, +12/6, +5VSB/0.72, -5/0.2, -12/1	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 130)	UL/CUL/TUV/CE FCC	7.5 x 4.0 x 1.6	2.5	$29.95	$26.95	$23.95
2081887	Enhance	ENP-0185T	150	+3.3/7, +5/12, +12/5, +5VSB/0.8, -5/0.2, -12/0.3	115-230 @ 50-60	3-prong AC receptacle (P/N 38050, pg 130)	CUL/TUV/CE	7.5 x 3.25 x 1.7	2.5	24.95	22.49	19.95
421657	Powertronic	PK-6180DT3	200	+3.3/14, +5/22, +12/6 +5VSB/0.1, -5/0.5, -12/0.8	115/230 @ 47-63 switchable	3-prong AC receptacle (P/N 38050, pg 130)	UL/CUL/TUV	6.0 x 5.6 x 3.5	3.3	19.95	17.95	15.95
2081879	Pacific Power	KPT230C-4A	230	+3.3/15, +5/25, +12/9, +5VSB/1A, -5/1, -12/1	100-240 @ 50-60	3-prong AC receptacle (P/N 38050, pg 130)	CUL/TUV/CE	8.0 x 4.0 x 1.6	3.0	22.95	20.49	18.49
319994	3Y Power Technology	AP-1250-1112*	250	+3.3/20, +5/25, +12/12 -5VSB/3, -5/5; -12/0.5	100-240 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 130)	UL/CUL/TUV/CE	7.5 x 4.0 x 1.6	2.9	19.95	17.95	15.95
427928†	Seasonic	SS-300SFD Active PFC ℛ	300	+3.3/20,+5/20, +12/8, +12/14.5, -12/0.8, +5VSB/2	90-264 @ 47-63 switching	3-prong AC receptacle (P/N 38050, pg 130)	UL/CUL/TUV/CE	5.1 x 4.9 x 2.5	2.7	54.95	53.55	49.95
1810136†	Sparkle	FSP300-601U*	300	+3.3/20; +5/25; +12/16; -5/0.3; -12/0.8; 5VSB/2	100-240 @ 50-60 switching	3-prong AC receptacle (P/N 38050, pg 130)	UL/CUL/VDE/CE	8.3 x 4.0 x 1.6	3.3	24.95	23.95	22.95
2077482	Emacs	APS-5300F-RV2	300	+3.3/28; +5/30; +12/10; +5/0.85; -5/1; -12/1	115-230 @ 50-60 switching	3-prong AC receptacle (P/N 38050, pg 130)	UL/CSA/CE/TUV	6.0 x 5.5 x 3.4	3.3	24.95	22.49	19.95
1810144†	LC Power	LC350U*	350	+3.3/16; +5/30; +12/15 -5/0.5; -12/0.8; +5VSB/2	100-240 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 130)	UL/TUV/CE	5.9 x 5.6 x 3.4	2.3	24.95	22.49	19.95
308814	Powmax	LP6100D*	400	+3.3/28, +5/30, +12/25, -5/0.3, -12/0.8, +5VSB/2	115/230 @ 60 switchable	3-prong AC receptacle w/ 6' power cord	UL/CUL/TUV/CE	5.9 x 5.6 x 3.4	3.5	49.95	44.95	39.95
422617	Sparkle	FSP-400-60GN	400	+3.3/28, +5/28.5, +12/25, +5VSB/2, -5/0.3, -12/0.8	115/230 @ 50-60 switchable	3-prong AC receptacle w/ 6' power cord	UL/CSA/CB	5.5 x 5.9 x 3.4	5.0	69.95	66.49	59.95
422094†	Seasonic	SS-500HT Active PFC ✪	500	+3.3/30, +5/30, +12/17, +12/16, -12/0.8, +5VSB/2	90-264 @ 47-63	3-prong AC receptacle (P/N 38050, pg 130)	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	5.0	99.95	89.95	79.95

* See photo above † Comes with SATA ready connector ✪ Blue Part No. = Limited Quantity Available

Computer Switchboxes

★Web Code: CAK

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7

Fig. 8

Fig. 9

KVM Switchboxes

Part No.	Mfr.	Fig.	Product No.	Description	Connectors	Size (L" x W" x H")	Wt. (lbs.)	1	5
310842	—	1	2-PRT KVN-USB	2-way KVM switchbox (2PCs to 1 keyboard/mouse/monitor)	User connectors: PS/2 female for keyboard & mouse; HDDB15 female for monitor to PC connectors: two HDDB15 male for monitor, two USB-A male; two 3.5mm jack	2.9 x 2.7 x 1.1	1.5	$24.95	$22.49
149391	ATEN	2	CS-114A	4-way KVM switchbox (4 PC's to one user)	DB9 serial female / PS/2 keyboard & mouse; recommend P/N 204062 (see web) for PS/2 cable. Includes manual and power supply	10.0 x 7.0 x 3.0	7.1	119.95	107.95
132249	ValuePro	3	40H1-25602	2-user switchbox (1 PC to 2 users)	Keyboard (5-pin DIN male); Monitor (DB15HD female); Mouse (DB9 male). P/N 66174 (DB15HD M-M cable); P/N 132346 (DB9 F-F cable) pg 180	7.5 x 5.3 x 2.8	1.6	14.95	13.49
310834	Various	4	KS-104	4-way KVM switchbox (4 PCs to 1 user)	PS/2 female for keyboard and mouse; HDDB15 for monitor, recommend P/N 202180 pg 120 for power supply	7.4 x 1.3 x 2.9	7.1	69.95	62.95
134017	Various	5	40H1-25604	4-user switchbox (1 PC to 4-users)	5-pin DIN male for keyboard, HDDB15 female for monitor, DB9 male for mouse use P/N 66174 HDDB15 M-M cable for monitor; P/N 132346 pg 180 (BD9 F-F cable for mouse)	7.5 x 2.8 x 5.3	2.3	25.95	23.49

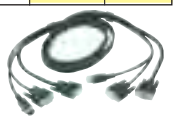
Miscellaneous Computer Switchboxes

79126	ValuePro	6	40D1-10602	2-serial port switchbox	DB9 female (2-ports to 1PC)	6.0 x 4.8 x 2.5	1.2	$9.95	$8.95
79142	ValuePro	7	40R1-01602	2-PC RJ-11 switchbox	RJ-11 6P6C (fax/modem/telephone to 2PCs)	6.0 x 4.8 x 2.5	1.2	8.95	7.95
20095	ValuePro	8	40D3-17602	2-port switchbox	DB25 female (2PCs to 1 printer)	6.0 x 5.8 x 2.3	1.4	10.95	9.95
310818	—	9	USB-2PORT	2-way USB switchbox	1 USB-B female; 2 USB-A female	5.1 x 3.7 x 1.8	2.5	8.95	7.95

Monitor/Mouse/Keyboard Cable

HDDB15 male/female for monitor, 5-pin DIN male/female for keyboard and DB9 male/female for mouse.

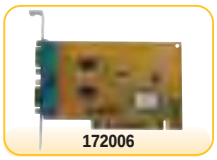
Part No.	Product No.	Length	1	5
141284	G/S(KVM062)	6'	$9.95	$8.49



★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Interface, Graphic & Sound Cards

★Web Code: VBB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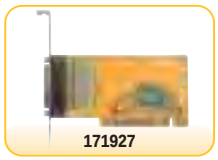
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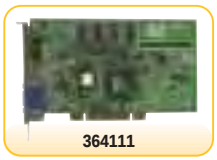
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291901

Serial Interface Cards

Part No.	Manufacturer	Product No.	Bus Type	Ports	Connectors	Description	1	10
171362	Various	4025A℞	PCI	1	DB9	32-byte FIFO, 921kb/sec transfer rate, supports IRQ sharing, single 16C550	$24.95	$19.95
172006	Dolphin	99467℞	PCI	2	DB9	32-byte FIFO, 921kb/sec transfer rate, supports IRQ sharing, dual 16C650 DB9 male	34.95	30.95
171548	Various	99468℞	PCI	4	DB25	32-byte FIFO, standard RS-232 interface, 921kb/sec transfer rate, supports IRQ sharing 16C550	69.95	59.95
171661	Various	99469℞	PCI	8	DB25	32-byte FIFO, standard RS-232 interface, 921kb/sec transfer rate, supports IRQ sharing 16C650	119.95	109.95
344903	SYBA	SD-PCI-1S	PCI	2	DB9	32-bit PCI bus, dual DB-9 male, Nm9835CV chipset.	27.95	24.95

Parallel Interface Card

✪ Blue Part No. = Limited Quantity Available

171927	Dolphin	4008A℞ ✪	PCI	1	DB25	32-byte FIFO, 2MB/sec transfer rate, supports ECP and EPP, supports IRQ sharing, DB25 female	$39.95	$34.95

Network Interface Card

155221	3-COM	3CR990B-FX-97	PCI	1	FDD1	100BASE-FX Secure fiber network interface card	$24.95	$19.95

Video Graphics Card

364111	ATI	109-54100-00	PCI	2	HDDB15	8MB graphics accelerator, Rage LT PRO AGP chipset, 7-pin TV-out and DFB connectors, Windows® 98 and NT4.0 compatible.	$24.95	$22.45

SCSI Cards

✪ Blue Part No. = Limited Quantity Available

149294	Various	CI-2020 ✪	ISA	—	50-pin F	DOS, Windows® NT/95, OS2 Netware, SCO UNIX compatible, internal and external SCSI-II connectors, fast SCSI II	$29.95	$24.95
191513	Adaptec	AHA-2940U2B	PCI	2	68-pin F	AIC-7890AB chipset, Windows® 95/NT, Netwear, OS/2 compatible, Ultra II SCSI internal/external Ultra II SCSI 68-pin connectors, ultra SCSI II	49.95	44.95

I/O Controller Cards

291901	—	MCT-IDEFH-2	ISA	—	Multiple	16-bit interface, supports 2 IDE hard drives up to 528MB and 2 floppy drives from 360kb to 1.44Mb, jumper selectable for enabling and disabling ports	$5.95	$5.49

Sound Card

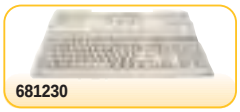
249404	Creative Labs	CT4830	PCI	—	Multiple	2-audio line-out (mini stereo 3.5mm F), 1 microphone input (mini phono 3.5mm F) 1-audio line-in (mini stereo 3.5mm F) and 1 game port (DB15F)	$24.95	$22.45

Keyboards & Keypads

★Web Code: LBU

319812

639550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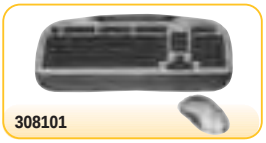
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Part No.	Mfr.	Product No.	Interface	Description	Size (L"xW"xH")	Wt. (lbs.)	1	10	25
455603	Powmax	KM-2501	PS/2	104-key soft touch w/ multimedia & 12 function keys.	17.5 x 6.0 x 1.2	1.8	$8.95	$7.95	$6.95
319812	PC Concepts	iCIA	PS/2	107-key soft touch keyboard w/ programmable function keys, software included	17.5 x 5.7 x 0.8	1.8	7.95	6.95	6.25
354950	Compaq	KB-9965	PS/2	107-key soft-touch keyboard w/ 12 function keys	18.5 x 6.5 x 1.4	1.3	4.95	4.49	3.95
639550	IOne	Scorpius-2KB	PS/2	103-key soft touch keyboard, Windows® 98SE/2000/ME/XP compatible (black)	15.9 x 6.5 x 1.3	2.1	39.95	35.95	31.95
681230	NMB	RT915CTW	PS/2	104-key tactile keyboard w/ 12 function keys w/ built-in speakers	18.5 x 10.0 x 3.2	2.5	12.95	11.49	9.95
454483	Powmax	HB5103	PS/2	Black 3-in-1 internet kit 104-key optical mouse, speakers	17.1 x 6.12 x 1.0	2.24	14.95	13.49	11.95
319661	IOne	Gemini-M1	PS/2	104-key soft touch wireless keyboard w/ 12 multimedia function keys and 2-butt optical mouse, batteries included	17.6 x 7.5 x 1.6	2.2	14.95	13.49	12.95
308101	Labtech	967360-0403	PS/2	104-key wireless RF keyboard and 3-button optical scroll-mouse multimedia hot-keys	18.0 x 8.7 x 1.6	4.5	29.95	26.95	23.95
1537109	Arctic	25551	USB	18-key tactile keypad	4.3 x 3.0 x 0.5	0.2	12.95	11.49	9.95
265375	IOne	Scorpius-22RB	Serial	22-key tactile keypad w/ 2-key rollover and auto repeat function	6.2 x 4.2 x 1.3	0.8	39.95	35.95	31.95

Replacement Switches for AT-Style Computer Cases

PC Pushbutton Switch

- Contacts rated at 250VAC • Current: 8A
- Alternate action double pole switch
- UL/CSA/VDE approved • Size: 0.9"L x 0.7"W x 0.9"D

Part No.	Product No.	1	10	100
174238	PSD-1-2S8	$1.49	$1.25	$.95

PC Rocker Switch

- For mini-tower cases • Current: 10A
- Contacts rated at 250VAC • DPST
- UL/CSA approved • Size: 0.9"L x 1.2"W x 1.4"D

Part No.	Product No.	1	10	100
127028	GRK-618A	$1.49	$1.25	$.95

Business Card CD-R Kit

Differentiate yourself or your business from others. This kit includes 12 50MB capacity CD-R and sleeves, 16 labels and label design software. A great way to promote your business in trade shows and exhibits. Easy to carry and cost-effective.

Part No.	Description	1	10
249308	Do-It-Yourself Business Card CD-R kit	$2.49	$2.25

The Best Warranty in the Industry

All Jameco purchases are guaranteed for a full 90 days and even longer for Jameco House Brands.

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Mice & Mouse Pads

★Web Code: MCM

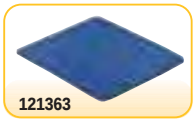
685943

687746

305082

2006650

2006668


121363

265447

Part No.	Manufacturer	Product No.	Type	Interface	Description	Size (L" x W" x H")	1	10	25
685943	Dell	OW7751	Mech. Ball	USB	3-button with scroll, black	4.8 x 2.5 x 1.5	$7.95	$6.95	$6.25
687746	Cherry	M-5000	Optical	USB-PS/2	3-button with scroll with PS/2 to USB adapter, black	4.6 x 2.6 x 1.5	7.95	6.95	6.25
265471	—	—	Optical	USB	Mini optical mouse	3.7 x 2.2 x 1.3	9.95	8.95	7.95
305082	IOne	Libra-90	Trackball	PS/2	PS/2 trackball with USB adapter, black	5.6 x 4.7 x 1.9	24.95	22.95	19.95
2006650	IOne	MSM9UP-BLKℛ	Optical	USB-PS/2	3-button with scroll, black	4.5 x 2.3 x 1.5	8.95	7.95	6.95
2006668	IOne	MSM9UP-WHTℛ	Optical	USB-PS/2	3-button with scroll, white	4.5 x 2.3 x 1.5	8.95	7.95	6.95
265447	BenchPro	32022378	Optical	PS/2	Wireless, 5 button optical scrollpro w/ PS/2 to USB adapter	4.9 x 3.0 x 1.6	17.95	15.95	14.95
121363	—	KP-01	Mouse pad	—	Mini mouse pad, blue	7.0 x 5.5 x 1.0	.69	.59	.49
1951001	—	MP-ATT	Mouse pad	—	Mouse pad (2" x 3.5"; 2.75" x 5" window slots)	9.5 x 7.5 x 1.2	.69	.59	.49

TRIPP·LITE

4, 7, 8 & 12-Outlet Surge Protectors

Isobar *Premium Surge Protectors*

★Web Code: CAC

ULTIMATE LIFETIME INSURANCE

19001

139686

- Up to $50,000 Ultimate Lifetime Insurance covers Isobar and connected equipment against surge damage for life!
- Diagnostic indicators on Ultra versions alert you to improper outlet wiring, loss of AC power, and damage to protection circuitry
- 4-outlet protectors: 6' cord; 8 & 12-outlet protectors: 12' cord
- UL 1449 and 1283 listed • Lifetime warranty
- Surge suppressor fits 19" rack mount
- Size: **19001:** 9.0"L x 3.5"W x 2.5"H; **18981:** 5.8"L x 3.5"W x 2.5"H; **139686:** 17.5"L x 4.0"W x 1.8"H

isobar®

MADE IN USA

Part No.	Mfr. Part No.	Joules	Description	Wt. (lbs.)	1	10
18981	ISOBAR 4	2200	4 outlet, 2 isolated filters (6')	2.4	$49.95	$44.35
19001	ISOBAR 8U	2350	8 outlet, 4 isolated filters (12')	3.5	74.95	66.95
139686	IBAR12RM	750	12 outlet, 2 isolated filters (15')	4.7	129.95	122.95

Super 7 Standard Surge Protectors

124337

- $75,000 Ultimate Lifetime Insurance • Up to 42,000 amp spikes
- Effective spike and noise suppression w/ diagnostic LEDs

Part No.	Mfr. Part No.	Joules	Description	Size (L"xW"xH")	Wt. (lbs.)	1	10
124337	Super 7	2350	7 outlet	10.5 x 2.5 x 1.5	1.6	$19.95	$17.95
168954	Striker	750	7 outlet	11.2 x 2.1 x 1.5	1.2	12.95	11.49

6 & 8-Outlet Surge Protectors

★Web Code: XAR

20175: 6-outlet; 4' cord
- Metal power strip
- Size: 12.3"L x 2.4"W x 1.3"H

216485: 6-outlet; 4' cord
- Heavy-duty power cord (14AWG x 3)
- Size: 9.5"L x 1.7"W x 1.4"H
- Clamping voltage: 400V
- Max. surge volt.: 6500V
- RESET/OFF switch with built-in 15A circuit breaker

2075647: 6-outlet; 6' cord
- Rating: 15A/125VAC/1875W
- Clamping volt.: 330V
- Size: 13"L x 2.1"W x 2.3"H
- Expands from 13" to 18" to fit bulky adapters; each segment expands separately

2079411: 8-outlet; 6' cord
- Lifetime warranty $250,000 connected equipment • Size: 12.5"L x 5.0"W x 1.5"H

20175

216485

2075647

2079411

Part No.	Mfr.	Product No.	Spike Current (Max.)	Wt. (lbs.)	1	10	25
20175	ValuePro	51W1-13206	4500A, 50 joules	1.5	$11.95	$10.95	$9.95
216485	ValuePro	51W1-10206	4500A, 150 joules	0.9	12.95	11.49	9.95
2075647	Ideative	SS1650W-06ℛ	144,000A, 2160 joules	1.6	24.95	22.49	19.95
2079411	Belkin	F9M800	135,000A, 2655 joules	2.8	16.95	13.95	12.49

★Video Text Modules Available Online — Enter Web Code RAJ

6-Outlet Power Tap Adapter with Surge Protection

- Right angle jacks • Grounded outlets • 180 joules
- Surge protection across line and neutral, line and ground
- Surge protection circuit good LED indicator
- 15A; 125VAC; 1875W • TVSS: 330V

★Web Code: XAR

Part No.	Product No.	Description	1	10	100
2082214	YE-08A	6-outlet wall surge protector	$4.95	$4.49	$3.95

8-Outlet Power Strip with Personal Sensor

An energy saving control system that provides maximum surge and noise suppression while keeping plug load equipment off when there is no occupancy. Turns all controlled devices on when workspace is occupied, and off when the workspace is unoccupied with the user-defined time delay. 120° coverage up to 300'Sq on sensor.

Watt Stopper

NEW MARKED IN PINK

- 8-outlets: six controlled by sensor; two uncontrolled
- Two LED indicators for correct wiring and surge protection function
- Electrical rating: 120VAC, 12A, 50/60Hz
- 12A dry contact relay • UL1449 rating: 400V
- Joule rating: 740 joules • UL/CUL approved
- Initial clamping voltage: 200V • Maximum surge amperage: 48000A
- Sensor can be mounted with double-backed tape or self-tapping screw
- 7' 7" 3-prong right angle power cord • Size: 9.5"L x 3.8"W x 1.6"H

Includes: Sensor and mounting plate, 9' sensor cable

Part No.	Product No.	Description	1	10	25
2095200	IDP-3050	8-outlet power strip w/ sensor	$69.95	$64.95	$59.95

CPU Heat Sinks with Fan

★Web Code: MBG

645482

Part No.	Description	Size (H" x W" x D")	1	10
684748	Heat sink w/ fan, socket 7 Pentium®	1.02 x 2.60 x 2.30	$2.95	$2.65
319185	Heat sink w/ fan, socket 7 PIII	1.40 x 2.62 x 2.30	3.75	3.49
1945313	Heat sink w/ fan, Pentium® 75-133MHz	2.07 x 2.05 x 1.43	4.95	4.49
206244	Heat sink w/ dual fan, SECC II Pentium®	1.24 x 1.96 x 5.25	7.95	6.95
319951	Heat sink w/ dual fan, for PIII slot 1	2.00 x 4.90 x 8.50	5.95	5.49
661087	Heat sink w/ fan, socket 370 PIII	2.36 x 2.19 x 1.54	5.95	5.49
645482	Heat sink w/ fan, socket 370 PIII	1.30 x 2.05 x 1.97	11.95	10.95
190545	Heat sink w/ fan, socket 370 PIII	2.00 x 2.32 x 2.37	10.95	9.95

Legacy 3.5" Hard Disk Drives

★Web Code: SAW

Part No.	Capacity	Description	Warranty	1	10
151036	3.2GB★	EIDE/Ultra DMA33	1 year	$34.95	$31.45
151044	4.3GB★	EIDE/Ultra DMA33	1 year	49.95	44.95
146333	2.5GB★	EIDE/FAST ATA-2	1 year	29.95	26.95
124978	1.27GB★	IDE	1 year	29.95	26.95

★ Pull = Extra Savings

3.5" Hard Drive Bracket Short

★Web Code: SDW

Part No.	Product No.	Color	1	10
1950745	G/S435ℛ	Silver	$4.95	$4.49

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

USB 2.0 4-Port Hubs

★Web Code: NEM

Add multiple high performance USB 2.0 peripheral devices to your PC. Fully compliant with USB specifications. Fully backwards compatible with USB 1.1 devices.

1944687

1944695

- Overcurrent detection & protection
- Compatible with USB specification Rev. 2.0 (data rate 1.5/12/480Mbps)
- 1 upstream & 4 downstream ports
- Connects up to 127 USB devices
- Supports Windows® 98SE/ME/2000/Server 2003/ XP/Vista; MAC® OS 8.6 or higher
- Plug-and-play

1944687:
- Bus-power & self-power mode used
- Automatic connection & speed detection

1944695:
- 4 LED indicators for downstream port status
- Self-power mode used separate AC adaptor required P/N 252736 • High speed

Part No.	Product No.	1	5
1944687	HU2044ℛ	$12.95	$11.49
1944695	HU2542ℛ	14.95	13.49

USB 2.0 to SATA/IDE Combo Adapter

Keep the existing IDE drive while at the same time migrating to the new SATA technology, which provides a transfer rate of up to 150Mbps. Any SATA or IDE drives can be turned into an external USB 2.0 storage device.

- SATA 1.0a and USB 2.0 compliant
- Dual-headed IDE connector (4- and 44-pin) plus one SATA connector that supports 2.5"/3.5"/5.5"
- Operates one IDE and one SATA HDD simultaneously
- External power supply provided

System Requirements: IBM compatible Pentium® 233MHz, USB, Windows® 98SE/ME/XP, MAC OS 8.6 or later

Part No.	Product No.	1	5
2075815	AS1200ℛ	$49.95	$44.95

AverKey Pro PC-to-TV Converter Box

- Converts VGA video or Macintosh® 640 x 480 to standard NTSC
- Built-in flicker filter
- Resolution: 800 x 600
- TV brightness control
- Compatible w/ Microsoft® Windows® 3.0 and higher
- Weight: 2.2 lbs.
- Two-year warranty

System Requirements: VGA-based PC, DOS 3.0 or higher, 640kb RAM or larger

Includes: PC-to-TV converter, adapter, cables & manual

Part No.	Description	1	5
167193	Video signal pro	$64.95	$59.95

IDE HDD Enclosure

- Removable enclosure for 3.5" drive bay
- Includes insert and hardware
- Size: 5.8"W x 8.9"D x 1.6"H
- Weight: 1.31 lbs.

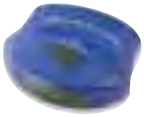
Part No.	Product No.	1	5
319775	DT51PC	$7.95	$6.95

USB 2.0 Multi-Plus Card Reader/Writer

- Transfer rate of up to 480Mb/sec.
- Allows data exchange in different slots
- 4 slots support compact flash, IBM Microdrive, SmartMedia, memory stick, SD and MMC devices

Part No.	Product No.	1	5
1944716	RU2340ℛ	$9.95	$8.95

USB 2.0 2-Port Manual Share Switch



- 2 channel switch (2 USB-B ports, 1 USB-A port)
- USB 2.0 compliant
- Switch between computers by using port select button or hot key
- Supports 2 computers sharing 1 USB device
- Provides bus-power of 500mA per port

System Requirements: IBM compatible PC with Windows® 98SE/ME/2000/XP or MAC OS 9.0 or higher, USB port

Part No.	Product No.	1	5
2075831	SS2115ℛ	$12.49	$10.95

USB 2.0 Docking Station

- Connects via USB-A port to your laptop

System Requirements: PC with 75MHz min. Pentium® or equivalent; 16MB of RAM min., available USB-A port, Windows® 98 or later

Part No.	Product No.	Size (WxDxH)	1	5
527822	USB 2.0 dock	4.8"x2.5"x1.0"	$9.95	$8.95

USB 2.0 Ethernet Adapter

A high performance, highly integrated USB 2.0 bus Ethernet controller with embedded 7k x 16 bit SRAM.

- USB 2.0 and 1.1 compliant
- IEEE802.3 (10Base-T) & 802.3u (100Base-TX)
- Supports suspend mode and remote wake up via link-up
- Supports full-duplex and half-duplex operations

★Web Code: SDR

System Requirements: IBM compatible Pentium® 233MHz or faster, 64MB or more, USB port available, Windows® XP/2000/Vista 32/64-bit, Mac® OS 10.x

Part No.	Product No.	Size (LxWxH)	1	5
1944513	AE2201ℛ	2.8" x 2.0" x 1.0"	$21.95	$19.95

Helping You Find What You Need

Can't find the product you're looking for? Call us at 1-800-831-4242.

HDMI Switch

This HDMI switch allows HDMI sources, such as DVD players, DTV set-up box, game station, or HDMI computers to share a single high definition display.

- Supported resolutions: 480/720/1080 i/p
- Power supply: input: 100-240VAC; output: 5V @ 1A
- Signal equalizer and pre-emphasized outputs, ideal for systems with long cable runs up to 20 meters
- Version 1.3

Includes: Power supply and installation guide

Part No.	Product No.	Inputs	1	5
2006684	VS4030ℛ	3	$69.95	$62.95

Serial ATA to IDE Converter

This serial ATA to IDE converter allows standard parallel ATA hard disk drives, CD-ROM, CD-RW, DVD-ROM, DVD + RW, to be used with serial ATA PCI cards or motherboards with serial ATA ports and meet the specification of serial ATA 1.0 interface.

- Compliance with Serial ATA Gen. 1.0
- Master/slave device emulation support
- Supports PIO mode 0 ~ 4, Ultra DMA mode 0 ~ 7, UDMA transfer rates of up to 150Mbps, ATAPI command set and 48-bit LBA addressing

System Requirements: PC with available Ultra ADA hard disk (IDE) and available Serial ATA host port

Part No.	Product No.	1	5
1944661	AD3300ℛ	$19.95	$17.95

PC Speakers

- 3.5mm male stereo plug
- Size: 4.7"H x 3.0"W x 4.0"D

Part No.	Product No.	1	5	25
311079	5065-5746	$3.95	$3.55	$2.95

Hands-Free Condenser Microphone

★Web Code: GCP

- Cord length: 8'
- One-year warranty
- Connector: 3.5mm male stereo plug
- Size: 1.9"L x 1.2"W x 0.3"H

Part No.	Product No.	1	5	25
135248	MP-9108-Rℛ	$4.95	$4.49	$3.95

Clip-On Lapel Microphone

- For Motorola cell phones and other applications
- 2.5mm male stereo plug
- Includes ear bud

★Web Code: GCP

Part No.	Cord Length	1	5	25
2078207	3'	$2.49	$2.25	$1.95

CD-ROM Audio Cables

127546

168613

Part No.	Connection from Sound Blaster to	Length	1	10	25
127546	Sony/MPC2	25"	$1.95	$1.75	$1.49
168613	Universal ℛ	18"	2.49	2.25	1.95

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

RS-232 to RS-485/422 Bidirectional Converters

117701

- Cable length: 4000' max.
- Data rate: 1MB/second
- Controlled by RTS signal
- 4-wire full duplex or 2-wire half duplex
- DCE and DTE selectable
- Point-to-point and multidrop operations
- RS-485: terminal block and RJ11 connections
- RS-232: DB25 female connector
- Input: 110VAC
- Weight: 0.9 lbs.
- One-year warranty

197931: Port powered (power adapter not included)
- Data rate: 100kbps

122956: Features RS-485SI; optical isolation: 2000V

Part No.	Description	1	5
117701	RS-232-485/422	$49.95	$44.95
197931	RS-232-485/422	59.95	53.95
122956	RS-232-485/422 OPT ISO	89.95	80.95

Bidirectional Non-Buffered Serial-to-Parallel Converter

- Bidirectional conversion of parallel and serial signals
- Serial interface: hardware handshake RTS/CTS, software handshake Xon/Xoff; DCE/DTE selectable; parity: odd, even, or no parity; data bits: 7, 8
- Connectors: one DB25 female and one Centronics 36-pin male
- One-year warranty
- Stop bits: 1 or 2
- Baud rate: 300 to 38,400bps
- Weight: 0.8 lbs.
- Size: 4.0"L x 2.5"W x 1.0"H

Includes: AC adapter (9VAC @ 200mA) and manual

Part No.	Product No.	1	5
116935	5XP320	$34.95	$32.95

Bidirectional Serial-to-Parallel Converter

115.2kbps, 512kB Buffer

- One DB25 female connector, one Centronics 36-pin male connector
- Fully compatible w/ Win® 95
- Baud rate: 300bps – 115,200bps
- FCC class A certified, CE certified
- LED indicator for parallel busy status
- DCE/DTE selectable
- Stop bits: 1 or 2
- Size: 3.8"L x 2.4"W x 1.0"H
- Weight: 0.8 lbs.

Includes: 9VAC @ 200mA adapter

Part No.	Product No.	1	10
182983	5XP3254	$45.95	$41.95

★*Bidirectional Converters Online — Enter Web Code KEM*

Short Haul Modem

- Up to 38,400 baud
- Will communicate over 6.3 miles of cable
- No external power required
- DCE/DTE selectable
- Xon-Xoff or hardware handshaking
- RS-232 interface (DB25 female)

Part No.	Product No.	1	10
116581	IC-150	$23.95	$21.95

19" Rack Mount Enclosures

- Ventilation holes on all sides
- Front and back panels are steel w/ aluminum, pre-punched face plates
- 0.12" thick black front panel
- Top, bottom and sides are durable 0.035" steel
- All enclosures have handles except P/N 132813

Includes: Mounting screws

Part No.	Dimensions (In.) H1	H2	D	Wt. (lbs.)	Pricing 1	5
132813ℛ	1.73	1.25	9.75	6.2	$39.95	$35.95
132822ℛ	3.46	3.00	9.75	7.9	51.95	46.95
132840ℛ	3.46	2.88	11.75	9.1	54.95	49.95
132848ℛ	5.22	4.75	11.75	10.6	59.95	53.95
132864ℛ	8.56	8.00	13.50	15.4	109.95	99.95

★*Rack Mounts Available Online — Enter Web Code GAT*

19" Rack Mount Drawer with Keyboard and Trackball

- Occupies a single unit (1U) rack space
- PS/2 connector for keyboard and trackball
- Weight: 18 lbs.
- Size: 19.0"W x 13.0"D x 1.75"H

Includes: Wrist pads, module, PS/2 to 5-pin DIN and PS/2 to 9-pin adapters, and software

✪ Blue Part No. = Limited Quantity Available

Part No.	Product No.	1	5
220644	IAC-K055V1.1✪	$229.95	$209.95

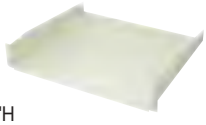
19" Rack Mount Enclosure for 14" Monitor

Monitor not included

- Clear glass front panel
- Hinged door for accessing monitor controls
- Color: gray
- Size: 19.0"W x 15.1"D x 14.0"H
- Weight: 30 lbs.

Part No.	Product No.	Price
136021	IAC-C910	$159.95

Cabinet Mounting Plate for 19" Cabinet



- Use as industrial chassis mounting plate for servers, PCs or patch panels
- Made of industrial grade steel and aluminum
- Size: 19.0"W x 15.8"D x 3.5"H

Part No.	Product No.	1	10
149500	UP02	$34.95	$31.95

19" Rack Mount Cat 5 Patch Panels

★*Web Code: GBK*

These Cat 5 patch panels feature 110D punch locks that are compatible with KRONE or 110D tools. UL and CUL listed and certified. Cat 5 certified and can be used with T568 A/B installations, color coded blocks for T568 color coding.

Part No.	Description	1	5
208768	12-port patch panel	$19.95	$17.95
208785	24-port patch panelℛ	24.95	22.49

QuickNetwork Install Can

- Type: Install can for QuickNetwork panels
- Feature: power supply and cover installed
- Size: 24"

FutureSmart

Part No.	Mfr. Part No.	1	5
636607	QN24	$59.95	$49.95

Disk Drive & SCSI Cables

32918 185076 32715

★*Web Code: TAE*

32918: 34-pin header socket ribbon cable for floppy to card
185076: 40-pin IDE hard drive cable to card
32715: 50-pin header socket ribbon cable SCSI-I

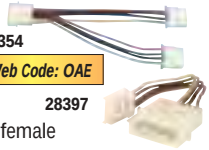
Part No.	Mfr.	Length	1	10	100
32918	ValuePro	23"	$.59	$.55	$.49
185076	Various	14"	2.95	2.49	1.95
32715	ValuePro	18"	3.75	3.49	2.95

AT/ATX Power Supply Extension Cable

- For use with ATX power supplies
- 20-pin ATX male and female connectors
- Color coded to ATX power supply

Part No.	Length	AWG	1	10	100
170238	15"ℛ	18	$8.95	$7.95	$6.95

3.5" & 5.25" Disk Drive Power Splitters and Adapters


28354 28397

★*Web Code: OAE*

- IBM PC/XT and higher compatibles

28354/277528/72304: Splits 4-line Molex male into 2 females
28397: 4-line Molex male to female

Part No.	Drive	AWG	Length	1	10	100
28354	5.25"ℛ	18	5"	$2.75	$2.49	$1.95
277528	5.25"	20	6"	1.55	1.39	1.25
72304	3.5"ℛ	22	5"	3.75	3.49	2.95
28397	3.5"ℛ	22	3.5"	4.75	4.25	3.79

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★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Monitor/Mouse/Keyboard Cable

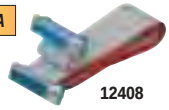
HDDB15 male/female for monitor, 5-pin DIN male/female for keyboard and DB9 male/female for mouse.

Part No.	Product No.	Length	1	10
141284	G/S(KVM062)	6'	$14.95	$13.49

Ribbon Cable Assemblies

- Metal connector
- 105°C rating
- 28 AWG flat cable
- 300V rating
- Tin-plated contacts

★Web Code: VAA

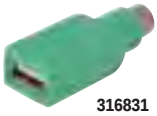


12408

Part No.	Description	1	10	100
12408	4' DB25 M-F ♻	$4.95	$4.45	$3.95
208582	6' DB9 M-F (ValuePro) ♻	4.95	4.45	3.95

Keyboard Adapters

157930/159097:
- Connect AT type keyboards to PS/2
- 5-pin female DIN to 6-pin male mini DIN



316831

189771:
- Connect PS/2 keyboard to AT
- 6-pin female mini DIN to 5-pin male DIN connector

316831: • USB-A female to PS/2 male

Part No.	Length	Material	1	10	100
159097	1.4"	Metal	$1.95	$1.75	$1.59
157930	1.7"	Plastic/metal	.39	.35	.29
189771	1.7"	Plastic	.95	.85	.75
316831	2.0"	Plastic	1.49	1.35	1.19

Adapter Cables

PS/2 6-pin mini DIN

★Web Code: HAE

205655

177261: Male to male non-coiled cable for P/N 79177 switch box (see web)
174772: Male to male
174908/205655: Male to male non-coiled
28549/111053: Female to male non-coiled
112628: Male to male non-coiled cable for P/N 79177 switch box (see web)

Part No.	Length	Color	1	10	100
177261	2'	Gray	$1.75	$1.49	$1.25
174772	6'	Black	3.95	2.95	2.49
174908	6'	Gray	3.49	2.95	2.49
28549	6' ♻	Beige	4.75	4.25	3.95
111053	10"	Beige	4.95	4.45	3.95
112628	10' ♻	Beige	7.95	7.25	5.95
205655	25'	Beige	7.95	6.95	6.25

PC/XT/AT 6-pin mini DIN (non-coiled)

Part No.	Length	Color	1	10	100
114981	6'	Beige	$1.95	$1.75	$1.49

Macintosh® Printer and Keyboard Cables

10604

130025

1944994

Part No.	Mfr.	Description	1	10	100
1944994	Various	40" DIN8M w/ EMI	$2.95	$2.49	$2.25
10604	ValuePro	6' DIN8M	3.95	3.49	3.05
130025	ValuePro	10' DIN8M ♻	4.95	4.45	3.95

Computer Cables

132346

134042

66174

67257

181295

★Web Code: CCS

Extension Cables • All lines connected straight through

Part No.	Description	Length (ft.)	Color	1	10	100
2075971	DB9 male-to-female w/ thumbscrews & filter, w/ green connectors	6	Black	$4.49	$3.95	$3.49
199639	DB9 male-to-female w/ thumbscrews ♻	6	Black	5.25	4.75	4.25
25701	DB9 male-to-female w/ thumbscrews ♻	6	Beige	5.95	5.35	4.79
148516	DB9 male-to-female w/ thumbscrews ♻	10	Beige	6.95	6.35	5.49
181666	DB9 male-to-male ♻	10	Beige	6.95	6.25	5.49
181286	DB15 male-to-male ♻	6	Gray	6.55	5.95	5.25
181359	DB15 male-to-female ♻	6	Gray	5.49	4.95	4.45
134042	HDDB15 male w/ thumbscrews to female w/ hex nuts ♻	6	Beige	4.95	4.45	3.95
66165	HDDB15 male-to-female w/ thumbscrews	6	Beige	7.95	6.95	6.25
148532	HDDB15 male-to-female w/ thumbscrews ♻	10	Beige	8.95	7.95	6.95
66174	HDDB15 male-to-male ♻	6	Beige	6.95	6.25	5.49
148523	HDDB15 male-to-male	10	Beige	5.95	5.35	4.79
224267	DB25 female-to-female w/ thumbscrews ♻	6	Gray	7.95	6.95	5.95
164291	DB25 male-to-female w/ thumbscrews	3	Gray	3.95	3.55	3.05
175291	DB25 male-to-female w/ thumbscrews ♻	3	Black	3.75	3.35	2.95
67257	DB25 male-to-female w/ thumbscrews ♻	6	Gray	7.95	6.95	5.95
39511	DB25 male-to-female w/ thumbscrews	10	Gray	7.95	6.95	6.25
177279	DB25 male-to-female w/ thumbscrews	15	Gray	7.95	6.95	6.25
101996	DB25 male-to-female w/ thumbscrews ♻	25	Gray	11.95	10.75	9.65
181201	DB25 male-to-female w/ thumbscrews	50	Gray	19.95	17.95	15.95
174001	DB25 male-to-male w/ thumbscrews	3	Black	4.95	4.45	3.95
401138	DB25 male-to-male w/ thumbscrews ♻	3	Gray	3.95	3.49	2.95
65788	DB25 male-to-male w/ thumbscrews ♻	6	Gray	7.75	6.95	6.25
39538	DB25 male-to-male w/ thumbscrews ♻	10	Gray	6.95	6.25	5.49
179979	DB25 male-to-male w/ thumbscrews	15	Gray	5.95	5.25	4.75
67071	DB25 male-to-male w/ thumbscrews ♻	25	Gray	9.95	8.95	7.95
180435	DB25 male-to-male w/ thumbscrews ♻ ✪	50	Gray	14.95	13.45	11.95
180611	DC37 male to male	6	Gray	4.95	4.49	3.95
181295	DC37 male-to-female ♻	6	Gray	5.95	5.35	4.75

✪ Blue Part No. = Limited Quantity Available

Serial Cables

132346	DB9 female-to-female w/ thumbscrews ♻	6	Beige	$4.95	$4.45	$3.95
196366	DB9 female-to-female w/ thumbscrews ♻	10	Beige	6.95	6.25	5.49

Monitor Cable

66157	DB9 male-to-male w/ thumbscrews	6	Beige	$4.95	$4.45	$3.95

IEEE 1284 Cables

161630	DB25 male-to-male serial	10	Black	$1.95	$1.75	$1.59
130067	DB25 male-Centronics parallel 36M	6	Beige	2.95	2.65	2.25

DB9-Pin Test Cable

- DB9 M to DB9 F (6')
- Pin outs: 1-3, 2-2, 4-5

Part No.	Description	1	10
162915	DB9 male to DB9 female	$.55	$.49

USB/DB25-to-Centronics Parallel Printer Cables

155352: USB-A Male to 36-pin Male Centronics
- Full compliance with USB spec Ver. 1.
- Applicable to standard and bidirectional printers

155352

28716/28708: DB25 Male to 36-pin Male Centronics
- IBM PC/XT and higher compatibles

Part No.	Description	1	10
155352	6' 36-pin Centronics to USB	$9.95	$8.95
28716	6' 36-pin Centronics to DB25	4.95	4.49
28708	15' 36-pin Centronics to DB25	1.49	1.35

DB9-to-DB25 AT-Adapter Serial Cables

- For DB9 serial ports which need to be converted to DB25 serial
- AT and compatibles
- Molded DB9 female to DB25 male connectors

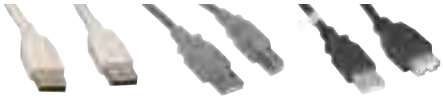
31722

Part No.	Description	1	10	100
109584	1' serial, beige ♻	$2.95	$2.65	$2.25
189333	3' serial, beige	3.25	2.95	2.49
31722	6' serial, beige ♻	4.95	4.49	3.95
1945575	6' serial, gray	4.49	3.95	2.95
155522	10' serial, beige ♻	5.95	5.35	4.79

♻ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

JAMECO ValuePro

USB 2.0 Cables



USB-A (M) to USB-A (M) | USB-A (M) to USB-B (M) | USB-A (M) to USB-A (F)

- Higher transfer rate up to 480Mbps
- Backward compatible with USB 1.1 products

USB-A Male to USB-A Male

★Web Code: NAV

Part No.	Description	1	10	25
326474	3' cable beige ℛ	$1.95	$1.75	$1.59
229682	6' cable beige ℛ	2.05	1.85	1.65
222033	6' cable black	2.05	1.85	1.65
229690	10' cable beige	2.35	2.09	1.85
229569	10' cable clear	2.35	2.09	1.85
222050	15' cable black	3.25	2.95	2.65
229577	15' cable clear	3.25	2.95	2.65

USB-A Male to USB-B Male

Part No.	Description	1	10	25
229711	3' cable beige ℛ	$1.95	$1.75	$1.59
222608	3' cable black ℛ	1.95	1.75	1.59
229585	3' cable clear	1.95	1.75	1.59
229730	6' cable beige ℛ	2.05	1.85	1.65
222010	6' cable black ℛ	2.05	1.85	1.65
229594	6' cable clear ℛ	2.05	1.85	1.65
229738	10' cable beige ℛ	2.35	2.09	1.85
222018	10' cable black ℛ	2.35	2.09	1.85
229607	10' cable clear ℛ	2.35	2.09	1.85
229762	15' cable beige ℛ	3.25	2.95	2.65
222026	15' cable black ℛ	3.25	2.95	2.65
229614	15' cable clear	3.25	2.95	2.65

USB-A Male to USB-A Female

Part No.	Description	1	10	25
326482	3' cable beige ℛ	$1.95	$1.75	$1.59
229771	6' cable beige ℛ	2.05	1.85	1.65
222068	6' cable black	2.05	1.85	1.65
229623	6' cable clear ℛ	2.05	1.85	1.65
229789	10' cable beige ℛ	2.45	2.19	1.95
222076	10' cable black	2.45	2.19	1.95
229631	10' cable clear	2.25	1.95	1.75
229797	15' cable beige ℛ	3.25	2.95	2.65
222084	15' cable black	3.25	2.95	2.65
229649	15' cable clear ✪	3.25	2.95	2.65

✪ Blue Part No. = Limited Quantity Available

USB-A Male

- For use w/ digital cameras, memory card readers, etc.
- Color: black

Part No.	Product No.	1	10	50
673715	6' mini 4-pin ℛ	$3.95	$3.59	$3.39
2081481	5'6" mini 5-pin	2.25	1.95	1.65
673694	6' mini 5-pin ℛ	2.75	2.45	2.25

USB 3.0 Cables

USB-A Male to USB-B Male

NEW MARKED IN PINK

- SuperSpeed with 5Gbps data transfer rate
- 10X performance increase over USB 2.0
- Hot syncing
- SuperSpeed USB is backwards compatible with USB 2.0

Part No.	Description	1	10	25
2095218	6' cable black ℛ	$6.95	$6.25	$5.49
2095226	10' cable black ℛ	7.95	7.15	6.49

USB 2.0 Active Repeater Cable

This is an active repeater cable and not a passive extension cable for connecting USB devices to your computer. The repeater cable regenerates the USB signal for maximum reliability and performance over extended distances at maximum transfer rates of 480Mbps.

- Repeater cable length: 5m (16.4 ft.)
- Cascaded up to 5 to extend distance to 25m (81 ft.) between USB device and computer
- Regenerates the USB signal for maximum reliability and performance over extended distances

Requirements: Desktop or laptop with available USB port, Windows® 98SE/ME/2000/XP or Mac OS X

Part No.	Cross Ref. No.	1	5
2075840	AR2500 ℛ	$13.95	$12.55

USB Link Adapter

Vista for Easy File Transfer

- Easy file sharing and data transfer between PCs via USB
- Full compliance with USB specification V1.1 and 2.0
- Supports two-way data transfer
- Supports suspend & resume power management
- Designed to work with Windows Easy Transfer, a new feature on Windows® Vista.
- Supports data transfer up to 480Mbps
- Length: 6 ft.

Requirements: Intel® Pentium® 1GHz or faster, 128MB RAM or higher, USB 2.0 port, Windows® XP/Vista

Part No.	Cross Ref. No.	1	5
1944556	AN2230 ℛ	$21.95	$19.75

High Speed USB Extender Cable

An active device where the USB signals going in and out of the extension cable are buffered to assure signal quality and adherence to electrical and timing specs.

- Full compliance with USB spec Ver. 2.0/1.1
- Supports 480Mbit/s high speed 12Mbit/s full speed, and 1.5Mbit/s low speed serial data communication
- One upstream port and one downstream port
- Windows® 98 & higher or Mac® OS compatible
- Supports plug & play and hot-swap functions
- USB-A male to USB-A female
- Bus power mode • Length: 16 ft.

Part No.	Product No.	1	5
1919174	10U2-24116 ℛ	$18.95	$16.95

USB Gender Adapter

- USB-A female to USB-A female
- Dimensions: 1.5"L x 0.7"W

Part No.	Description	1	10	25
316806	USB-A female	$2.95	$2.65	$2.39

Can't find what you are looking for in the catalog? Check out the thousands of products online priced near cost.

www.Jameco.com/Clearance

JAMECO ValuePro

Serial Null Modem Cables

★Web Code: ABE

- Molded type connectors
- Color: gray

180698 | 180582 | 180742

181404/180698 Pin outs: 1 & 6-4, 2-3, 3-2, 4-6 & 1, 5-5, 7-8, 8-7

181438 Pin outs: 2-2; 3-3; 5 & 6-4; 7-5; 8-7; 20-6 & 8 (Serial printer null modem)

180582 Pin outs: 2-2; 3-3; 4-5 & 6; 5-7; 6 & 8-20; 7-8; (Serial printer null modem)

180742 Pin outs: 1-4 & 5; 2-2; 3-3; 4-6; 5-7; 6-20; 7-8; 8-8

Part No.	Mfr.	Description	1	10	50
181404	ValuePro	6' DB9 F to DB9 F ℛ	$5.55	$4.95	$4.49
180698	ValuePro	10' DB9 F to DB9 F ℛ	6.75	5.95	5.45
181438	Various	6' DB25 M to DB9 F	5.55	4.95	4.49
180742	ValuePro	10' DB25 F to DB9 F	6.95	6.25	5.65
180582	ValuePro	10' DB25 M to DB9 F	5.95	5.35	4.75

JAMECO ValuePro

IEEE Firewire Cables

1944134 | 175848 | 175821

175839

- IEEE-1394 compliant
- Length: 6'
- UL approved
- Male to male

★Web Code: FAE

Part No.	Cross Ref. No.	Description	1	10	25
1944134	10E4-991-06-C ℛ	9-pin/9-pin	$16.95	$15.25	$13.75
175848	10E3-01106-R ℛ	6-pin/6-pin	5.95	5.35	4.75
175821	10E3-04106-R ✪	4-pin/4-pin	2.95	2.65	2.39
175839	10E3-02106-R	4-pin/6-pin	2.95	2.65	2.39

✪ Blue Part No. = Limited Quantity Available

JAMECO ValuePro

IEEE 488 Cables

73155

A variety of cable lengths are offered to ensure that IEEE system requirements are met (20 meters max. length with a maximum of 15 devices). These cables are standard IEEE 488 with stackable 24-pin GPIB connectors on both ends.

★Web Code: EAJ

Part No.	Description	Color	1	5	25
73155	1 meter ℛ	Gray	$39.95	$35.95	$31.95
115782	2 meter ℛ	Gray	41.95	36.95	32.95
115802	4 meter ℛ	Gray	42.95	37.95	33.95

Cable Assemblies

262730/ 262748

1581409

★Web Code: CCA

75Ω RG-59/U BNC – BNC

Part No.	Mfr.	Length	1	10	50
262730	ValuePro	25'	$6.95	$6.25	$5.49
262748	ValuePro	50'	8.95	7.95	7.25

75Ω BNC – BNC and Jack-to-Plug

Part No.	Mfr.	Length	1	5
1581409	Elyssa	100'	$24.95	$22.45

75Ω RG-59 F-Type

Part No.	Mfr.	Length	1	10
85585	ValuePro	3'	$.49	$.45

Computer

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

JAMECO ValuePro USB-A Cable w/ Bracket

- Supports data transfer rates of 12Mbps
- Allows connection of two devices
- Dual USB-A female connectors • 8" long

Part No.	Description	1	10	25
144813	Female panel mount	$4.25	$3.75	$3.25
319652	Male panel mount	1.49	1.35	1.19

JAMECO ValuePro USB-to-DB9 Serial Adapter

- USB-A to DB9 male
- Length: 13"
- Supports automatic handshake mode
- Over 230kbps data transfer rate
- 96 byte buffer each for upstream and downstream data flow
- Works with cellphones, PDA, digital cameras, modems and ISDN terminal adapters

★Web Code: NAV

Part No.	Description	1	5
387954	USB-A to DB9ℛ	$18.95	$16.95

Audio/Video Adapter

- Converts impedance of video/audio signals to 100Ω for transmission over CAT 5 UTP cable
- Support both NTSC or PAL video signals
- Signal pairs: video (BNC), CAT pairs 4(RJ45); audio 1 (RCA); CAT pair 3 (RJ45); audio 2 (RCA), CAT pair 2 (RJ45)

Includes: Mounting hardware

Part No.	Description	1	5
220881	BNC/RJ45ℛ ✪	$24.95	$22.45

✪ Blue Part No. = Limited Quantity Available

3.5" Color LCD Video Monitor

The display monitor operates on a standard composite video signal from VCR, video camera, video game, or navigation system: ideal for mounting in seat backs & custom enclosures.

- Thin film technology color LCD
- High resolution (480H x 234V) flat screen
- Back light cold cathode flourescent lamp
- Video color system: NTSC/PAL auto switch
- Power consumption: 3-watt • Weight: 5.3 ounces
- Input signal: 1.0Vp-p; 75
- Power supply: 12V ±10%
- Active area: 3.2"W x 2.4"H
- Dimensions: 3.9"L x 2.8"H x 0.8"D

★Web Code: VBF

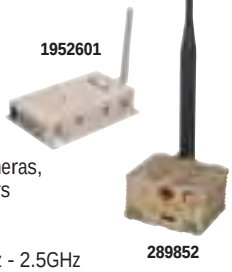
Part No.	Product No.	1	5
1928257	15-MC04	$149.95	$134.95

JAMECO ELECTRONICS

Quick and Easy Search

Our enhanced website offers thousands of datasheets and photos to assist you in finding the products you need.

2.4GHz Wireless Audio/Video Transmitter & Receiver



- Frequency range: 2413MHz to 2470MHz
- Video input: 1Vp-p • Audio input: 2Vp-p
- Impedance: 50Ω
- Output power: 1 watt

Includes: 12VDC @ 1A wall adapter, RCA patch cable, antenna and mounting hardware

179864:
- For use with 2.4GHz cameras, transmitters and receivers
- Gain: 3dB; unidirectional

2081633:
- Frequency range: 2.4GHz - 2.5GHz
- Reverse polarity SMA plug • Gain: 2dBi
- Polarization: linear, vertical • Impedance: 50Ω
- Power handling: 2 watt • VSWR: 2.0:1 max.

Part No.	Description	1	5
289852	Wireless audio/video tran.	$159.95	$143.95
1952601	Wireless audio/video recv.✪	79.95	71.95
179864	2.4GHz SMA RF antenna	5.95	5.35
2081633	2.4GHz SMA antenna	1.95	1.75

✪ Blue Part No. = Limited Quantity Available

Dual Page Color Quad Processor

- Signal format: NTSC/PAL color
- Alarm input: 8
- 7-character titles
- Display rate: 60fps/50fps • 4-channels with loop
- Video outputs selectable: 1Vp-p 75Ω
- Video inputs: 1Vp-p, 75Ω • BNC video connectors
- Memory 1024 x 512 • Date time generator
- Switching interval: 1 to 99 seconds

Part No.	Product No.	1	5
638240	15-QC43ℛ	$189.95	$169.95

Color Camera with 8mm Lens

- 1/3" CCD image sensor
- Horizontal res: 420 lines
- Min. illumination: 0.5 lux
- Electronic shutter: 1/120,000 sec.
- 510(H) x 492(V) EIA signal format
- Auto iris lens: DC drive/AES/video drive
- Video output: 1Vp-p, 75Ω • Vertical freq.: 60Hz
- Audio output: 2Vp-p max., 50Ω
- Backlight, auto-gain, and mirror reverse picture switch selectable • S/N ratio: 52dB
- Auto-tracing white balance • 2X digital zoom

Power Requirements: 12VDC @ 150mA

Part No.	Product No.	1	5
395461	15-CC25	$119.95	$107.95

CMU Camera

- Tracks the position and size of a colorful or bright object
- Measures the RGB or YUV statistics of an image region
- Dumps a bitmap showing the shape of the tracked object
- Automatically acquire and tracks the first object it sees
- Dumps a complete image over the serial port
- Physically tracks using a directly connected servo
- Supports multiple CPU boards on one camera for parallel processing

Part No.	Description	1	5
358467	3.5" color LCD monitor✪	$139.95	$124.95

✪ Blue Part No. = Limited Quantity Available

SONY® Color CCD Camera

Sony Chipset

- 1/4" Sony super HAD CCD sensor
- NTSC system w/510(H) x 492(V)
- Furnished mini lens: 3.6mm
- Minimum illumination: 0.5 lux @ F2.0
- Supports these functions: auto electronic shutter (AES), auto iris control (AIC), auto gain control (AGC), auto white balance (AWB), back light compensation (BLC) and flicker less (FL)
- Video drive iris control; high/low switchable auto gain control; on/off backlight compensation
- Video output: 1Vp-p; 75Ω

Requires: 12VDC @ 120mA power supply (recommend P/N 100095, pg 120)

Includes: Power/signal cable & mounting hardware

Part No.	Description	1	5
213436	Enclosed color camera	$154.95	$139.95

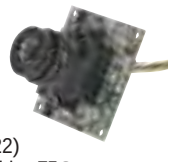
Color Dome Cameras

- 1/4" CCD image sensor
- 512H x 492V
- Video output: 1Vp-p, 75Ω
- NTSC format
- 3.6mm lens with F2.0
- Horizontal line resolution: **319855** - 380 lines; **171037** - 330 lines
- Lux: **171037** - 2

Part No.	Product No.	Description	Price
319855	15-2400CTD	2.4GHz wireless	$149.95
171037	15-CD25-1	Mini	99.95

Black & White Camera with Lens

EIA Format



- 1/3" CCD image sensor
- 510(H) x 492(V)
- Horizontal res.: >350 lines
- Sensitivity: 0.7 lux/F2.0
- Power supply: 12VDC (recommend P/N 162996, pg 122)
- Video output: 1Vp-p, composite video 75Ω
- Power consumption: 110mA • FOV: 92˚
- Electronic shutter: 1/125,000 sec. (linear)
- S/N ratio: 46dB • Size: 1.3"L x 1.3"W x 1.2"H

Part No.	Product No.	1	5
171029	15-BB13L-1	$44.95	$39.95

Mini Wireless Color Camera

This super-small (1" x 3/4" by 7/8") 1/4 ounce, 3 Lux wireless camera and receiver combo delivers sharp, full-motion video images at 380 lines of resolution. With its 150' (unobstructed) range and 9-volt battery power.

Part No.	Product No.	1	5
249025	203CA	$54.95	$49.45

Mounting Brackets for Enclosed Camera

- Material: white plastic
- Swivel angle: 360˚
- Tilt angle: 90˚
- For use with enclosed cameras

Part No.	Max Load	Height	1	5
170982	6.6 lbs.	2.0"	$3.95	$3.49

★Outdoor Camera Enclosures— Enter Web Code LBB

★Video Accessories — Enter Web Code YBE

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

2.4GHz Wireless Weatherproof Color Camera w/ PIR

- NTSC format
- 380 horizontal line resolution
- 3 lux with F2.0; 0.5 lux with F1.2
- Transmitter output power: 10mW
- Output impedance: 50Ω typical
- Pulse counter w/ automatic reset
- Size: 4.2"W x 5.0"D x 4.8"H
- 1/4" CCD image sensor
- For indoor and outdoor use

Includes: 12VDC @ 500mA power supply and mounting hardware

Part No.	Mfr. Part No.	Audio Output	Video Output	1	5
319871	15-2400CTH	2Vp-p max	1Vp-p, 75Ω	$169.95	$149.95

★Cameras — Enter Web Code MBB

Waterproof Tube-Style IR Color Camera

NTSC Format

- Auto white balance and gain control
- Scanning system: 2:1 interlace
- 880 ~ 940nM infrared wavelength
- For indoor and outdoor use
- 420 horizontal line resolution
- Internal synchronization
- 4.3mm lens with F1.8
- 1/4" CCD image sensor
- 0 lux w/ 20 IR LEDs
- 512(H) x 492(V)
- 59.94Hz vertical frequency
- S/N ratio: >48dB
- Video output: 1Vp-p, 75Ω
- Up to 1/100,00 sec. electronic shutter

Requires: 12VDC @ 160mA power supply (recommend P/N 162996, pg 122)
Includes: Mounting hardware

Part No.	Mfr. Part No.	Size	1	5
319901	15-CM25WM	2.1"Dia. x 3.8"L	$169.95	$149.95

Solar Products

PowerFilm. Flexible Thin Film Solar Modules

★Web Code: QEM

228013

Wireless Electronics Series

The Wireless Electronics Series offers a new opportunity to solve the old problem of limited power for wireless electronics in portable and remote applications. This module is lightweight, paper thin and durable.

Part No.	Mfr. Part No.	Operating Voltage	Operating Current (mA)	Size (L x W x T) Inches	Size (L x W x T) mm	Pricing 1	Pricing 5	Pricing 25
227985	SP3-37	3.0	22	2.5 x 1.5 x .01	64 x 37 x 0.2	$3.95	$3.49	$3.15
227993	TX3-25	3.0	25	4.5 x 1.0 x .01	114 x 25 x 0.2	3.95	3.49	3.15
171061	MP3-37	3.0	50	4.5 x 1.5 x .01	114 x 37 x 0.2	5.95	5.35	4.79
228013	MPT3.6-75	3.6	50	2.9 x 3.0 x .01	74 x 75 x 0.2	7.95	6.95	6.45
228030	SP4.2-37	4.2	22	3.3 x 1.5 x .01	84 x 37 x 0.2	5.95	5.35	4.79
228056	MPT4.8-150	4.8	100	3.7 x 5.9 x .01	94 x 150 x 0.2	17.95	16.95	15.25
228064	MPT6-75	6.0	50	4.5 x 3.0 x .01	114 x 75 x 0.2	12.95	10.95	9.95
228072	MPT6-150	6.0	100	4.5 x 5.9 x .01	114 x 150 x 0.2	19.95	17.95	15.95
228099	MP7.2-150	7.2	200	10 x 5.9 x .02	253 x 150 x 0.6	39.95	35.95	31.95
228101	MPT15-75	15.4	50	10 x 3.0 x .02	253 x 75 x 0.6	19.95	17.95	15.95
228110	MPT15-150	15.4	100	10 x 5.9 x .02	253 x 150 x 0.6	39.95	35.95	31.95

WeatherPro Series

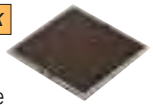
The right choice for permanent outdoor applications that are directly exposed to the elements. These modules features rugged construction, a UV-stabilized surface, an extra edge seal for weather protection, and tin-coated copper leads that extend from the module.

228161

Part No.	Mfr. Part No.	Operating Voltage	Operating Current (mA)	Size (L x W x T) Inches	Size (L x W x T) mm	Pricing 1	Pricing 5	Pricing 25
228161	P7.2-75	7.2	100	10.3 x 3.9 x .04	270 x 100 x 1.1	$34.95	$31.49	$28.25
228179	P7.2-150	7.2	200	10.3 x 6.9 x .04	270 x 175 x 1.1	49.95	44.95	39.95
228195	PT15-150	15.4	100	10.3 x 6.9 x .04	270 x 175 x 1.1	54.95	49.45	44.49
228208	PT15-300	15.4	200	10.3 x 12.8 x .04	270 x 325 x 1.1	99.95	89.95	79.95

60mm Solar Panel

Photovoltaic Mini Module



★Web Code: AEK

- Clear coat plastic
- Voltage output: 4.7VDC to 5VDC
- Power output: 0.25W max.
- Size: 2.36"L x 2.36"W x 0.1"Thick
- Material: copper indium diselenide

Part No.	Description	1	5	25
1928142	Solar panel	$7.95	$6.95	$6.25

Mini-Panel Solar Cells

Ready to Use! No Soldering

200221

215327

Encapsulated mini-panels utilize solar cells similar to those that power our satellites in space, yet they are safe and simple to use. Mini-panels allow for handling without the normal breakage and cell damage associated with fragile solar cells. 6" red/black lead wires attached. Modules may be connected to create different outputs.

- Connection: lead

★Web Code: MPS

Part No.	Cross Ref.	VDC @ mA	Size (L x W)	1	5
200221	SOL4	2.0 @ 200	3.0" x 3.7"	$10.95	$9.95
215319	4-3.0-100	3.0 @ 100	3.8" x 2.5"	11.95	10.95
215327	4-6.0-50	6.0 @ 50	3.8" x 2.5"	14.95	13.49

PowerFilm. USB + AA Solar Charger

NEW MARKED IN PINK

Ultra compact, lightweight and yet extremely durable, the PowerFilm USB + AA Solar Charger is perfect for everyday use. The USB + AA Solar Charger provides a full charge in only four hours of full sunlight. The charging light on the side of the enclosure indicates charging status and integration of the PowerFilm flexible solar panels onto the fabric allows for easy storage.

- Ultra Compact – Ultra Lightweight – Easy to Use
- Charges most small USB devices
- Folds up compactly to fit into pocket
- Charges 2 AA rechargeable batteries
- Weighs 4.9oz without batteries

Part No.	Description	Solar Operating Voltage @ Current (mA)	USB Charging Voltage	Folded/Unfolded Dimesions	1	5	25
2097133	USB + AA Charger	3.6 @ 0.4	5.0	3.25" x 5.5" x 1.38"/24" x 5.5"	$89.95	$79.95	$69.95

Horizon H-Racer 2.0

Build and drive your own hydrogen fuel cell car! Discover a new generation of H-Racer, including a new hydrogen refueling station and solar panels! Ride the wave of the future with the new H-Racer 2.0.

- The world's smallest hydrogen fuel cell car
- New remote control steering
- Size: 6.13"L x 2.75"W x 2.0"H

Requires: 2 AA batteries (not included, recommend P/N 198707, pg 146)

Part No.	Product No.	Description	1	5
2095007	PCJJ-23	Intermediate level, 17-pieces	$119.95	$109.95

Horizon Alternative Energy Kit

Discover the science of clean renewable energy! Combine solar, wind and fuel cell technology to create a miniature renewable energy system. With the renewable energy education set, you learn and visualize the workings of clean energy principles!

- Combine electronics, chemistry & physics in one kit
- Electric fan module
- Hydrogen fuel cell module
- Water electrolyzer module
- Solar cell module
- Wind turbine module

Part No.	Product No.	Description	1	5
2095015	FCJJ-27	Intermediate level, 56-pieces	$199.95	$194.95

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

3 LEVELS OF SAVINGS: NAME BRANDS | HOUSE BRANDS | FACTORY OVERRUN

Tyrannosaurus Kit

242923

Soccer Insect Kit

358379

Rockit Robot

192567

Running Micro Bug

200328

Binary Disk Player

402077

Boxing Robot

401533

CYBUG Scarab

358045

The Spider

140821

iBotz PICO

404478

Robotic Arm

Controller

157366

Metal Detector

129091

FM Transmitter

117604

FM Radio Kit

211772

30-Watt Stereo Amplifier

129138

Voice Activated LED

147571

Stereo Amplifier

662670

Mindstorms NXT 2.0

★Educational & Robotic Kits — Enter Web Code ERK

Create the smartest, strongest and most advanced LEGO robots with this new Lego Mindstorms NXT 2.0. Bigger and revised element assortment of 619, 16 building and programming challenges for 4 new fun and action packed robot models.

- NXT 32-bit microcontroller with 256k memory
- 3 interactive servo motors with built-in rotation sensors
- 1 ultasonic senor • 2 touch sensors
- Color sensor with triple functionality: color sensor/light sensor/color lamp
- Support for Bluetooth, USB 2.0

Part No.	Mfr. Part No.	No. of Pieces	Price
2082644	8547	619	$279.95

Robotic and Computer Control Kits

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing 1	Pricing 5
242923	21-601	Mechanical Wooden Tyrannosaurus kit	—	BEG	1.5 x 3.0 x 6.5	0.9	$14.95	$13.45
242915	21-602	Mechanical Wooden Stegosaurus kit	—	BEG	1.5 x 3.0 x 7.0	0.9	14.95	13.45
357341	3-882	Sound-Activated Jungle Robot kit	87	BEG	—	—	28.95	25.95
358379	71107	Six-Legged Soccer Insect Kit with two-channel wired remote conrol	40	BEG	—	1.1	37.95	33.95
192567	7769	Rockit Robot with sound-controlled navigation	73	BEG	4.5 x 5.1 x 3.3	1.0	28.95	25.95
358192	70068	Wall Hugging Mouse Robot kit	—	—	—	—	19.95	17.95
358272	70162	Design a robot w/ this RC Robot Construction set! Lift, scoop and drop all kinds of stuff.	144	BEG	—	1.0	52.95	47.95
200328	MK127	Light-Following Running Micro Bug kit	26	INT	4.0 x 2.4	0.2	18.95	16.95
200336	MK129	Light-Seeking Crawling Micro Bug kit	29	INT	4.0 x 2.4	0.2	19.95	17.95
239476	K2633	Relay Card kit (req. pwr supply P/N 133891 pg 120)	29	INT	3.0 x 2.7	0.4	19.95	17.95
357325	OWI-9727	Build this Spider 3 Walker Robot and watch it intelligently avoid any obstacle it faces.	110	INT	5.5 x 3.9 x 4.3	1.3	62.95	56.95
402077	OWI-9875	Binary Disk Player Robot	75	INT	—	1.9	37.95	33.95
386708	21-880	Line Tracking Robot Mouse (solder required)	—	INT	3 x 3 x 3	0.9	22.95	20.95
358352	75020	Line Tracing Snail Robot kit	—	INT	—	2.0	38.95	34.95
401533	71110	Boxing Robot kit (single), 2-channel	84	INT	—	0.4	35.95	32.35
401541	71113	Box with your friends with this kit of Boxing Robots Remote controlled, they're fun for everyone.	170	INT	—	0.8	59.95	53.95
358045	CYBUG	The CYBUG Scarab kit uses touch and light sensors fo find or avoid light. Requires soldering.	83	EXP	4.5 x 4	0.4	49.95	44.95
386610	21-886	Terrain Escape Robot kit with infrared emitting diode and receiver module	—	EXP	5 x 5 x 5	0.9	19.95	17.95
140821	972K	Build the Spider 3 Walker Robot & watch it intelligently avoid any obstacle it faces. Requires soldering.	158	EXP	12.0 x 7.0 x 3.5	1.2	62.95	56.95
357270	27400	Mini SumoBot Programmable kit with surface mount BASIC Stamp 2 Microcontroller	64	EXP	7.9 x 7.9	1.5	199.95	179.95
404478	MR-1017	The PICO is a build-it-yourself programmable robot. Program it to do anything. The sky's the limit!	42	EXP	5.8 x 6.0 x 4.4	3.2	119.95	107.95
199603	769K	Rockit Robot advanced w/ sound-controlled navigation	96	EXP	4.5 x 5.5 x 3.3	1.0	31.95	28.75
386572	21-884	Contact Sensing Scarab Robot set	107	EXP	—	0.9	17.95	15.95
120678	K6501	Remote control by Phone kit	116	EXP	4.1 x 5.1	0.7	74.95	67.95
157366	007	Unassembled Robotic Arm Trainer kit, Five axis motion and five switch wired controller	106	EXP	14.2 x 20.1	4.5	85.95	76.95
159345	007/IBM	Robotic Arm Interface kit for P/N 157366, above	5	EXP	3 x 2 x 1	1.0	91.95	82.95

Audio Transmitters, Amplifier, Sound Generator and Detection Kits

151204	AA-1	Super Snooper Big Ear Audio Amplifier kit	17	INT	1.8 x 1.0 x 0.6	—	$10.95	$9.95
151239	FMST-100	FM Stereo Transmitter Mini kit	37	INT	2.7 x 2.0	—	31.95	28.95
117604	K1771	FM Transmitter kit (req. mic. & 9-14VDC pwr supply)	26	INT	1.8 x 2.8	—	19.95	17.95
211772	MK118	FM Radio kit	65	INT	4.8 x 3.3	—	29.95	26.95
127562	K4401	Sound Generator kit with 10 unique sounds	61	INT	2.8 x 2.8	—	32.95	29.95
117612	K1803	Univ. Mono Pre-Amp kit (req. 10-30VDC pwr supply)	17	INT	1.2 x 1.8	—	9.95	8.95
127255	K4001	7-Watt Amplifier kit, Requires 15VDc @ 500mA Power Supply, Music Output Power: 7-Watts, 4Ω	22	INT	2.2 x 1.4	—	19.95	17.95
129138	K4003	30W Stereo Pwr Amp. (req. 2x 12VDC @ 2A pwr supplies)	38	INT	2.8 x 2.0	—	33.95	30.95
147571	MK103	Voice Activated kit, Requires 8-15VDC Power Supply or 9V battery, Sound Activates 4 Flashing LEDs	33	INT	2.5 x 1.6 x 1.4	0.1	8.95	7.95
662670	EBST-11	Audio Stereo Amplifier kit	32	INT	2.8 x 2.3	—	9.95	8.95
177092	IR-2	Infared Transmitter & Receiver kit (req. 9V battery)	26	—	1.0 x 0.8	—	24.95	22.45

Test and Measurement Kits

662725	EBLOG-300A	Logic Probe kit	13	BEG	4.0"L x 0.75"Dia.	—	$10.95	$9.95
20685	JE2206	Function Generator kit	21	INT	4.1 x 1.5	0.1	27.95	24.95
129091	K7102	Metal Detector kit, sensitive within 8cm (req. 9V battery)	22	INT	2.1 x 2.1	0.4	17.95	15.95

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

Electronic Kits (Continued)

★Web Code: ERK

Power Supply and Motor Kits

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing 1	Pricing 5
181833	VM-1	DC Voltage Monitor kit with 7 LED display	46	BEG	2.7 x 1.3	0.2	$9.95	$8.95
117621	K1823	1.5A @ 1.5-35VDC Power Supply kit	12	INT	2.1 x 2.1	0.3	14.95	13.45
20626	JE215	Dual adjust regulated Power Supply kit	48	INT	5.1 x 3.5 x 2.0	2.1	24.95	22.49
127829	GMC-1102	Motor Speed Control kit; powers up to 5A @ 100VDC	35	INT	3.6 x 2.3 x 1.2	—	23.95	21.55
239521	K8012	Lead Acid Battery Charger kit	62	INT	3.8 x 5.5 x 1.6	—	54.95	49.95
160047	3-301	Mini-Dual H-Bridge Motor Driver kit	31	INT	1.13 x 1.0	0.1	24.95	22.49
120539	K8004	DC Pulse Width kit, Proportional DC Voltages to Pulses	40	EXP	3.3 x 1.9 x 1.8	0.5	24.95	22.45
357851	3-773	Maxi-Dual H-Bridge Motor Driver kit	54	EXP	—	0.2	59.95	53.95
358248	70097	Twin Motor Gearbox kit	61	EXP	—	0.3	14.95	13.45

Distance and Light Kits

✪ Blue Part No. = Limited Quantity Available

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing 1	Pricing 5
157964	LED1007	IR Red Illuminator kit	41	BEG	2" Dia.	0.1	$15.95	$14.49
236081	MK145	Flashing Pumpkin kit	71	BEG	3.2 x 4.0 x 1.3	—	11.95	10.95
147635	MK100	Flashing Christmas Tree kit	30	BEG	4.0 x 2.4 x 1.0	—	6.95	6.25
211781	MK130	3D Flashing Christmas Tree kit	36	INT	3.1 x 3.5 x 4.0	—	9.95	8.95
236072	MK117	Deluxe Christmas Tree kit	208	INT	3.2 x 5.6	—	19.95	18.95
200310	MK124	Scrolling Message kit	76	INT	3.5 x 2.6 x 1.8	0.2	22.95	20.95
147555	MK101	Flashing LED Sweetheart kit, Requires 9V battery, 25 T1 (3mm) Red LEDs	46	INT	1.3 x 2.3 x 1.3	0.1	9.95	8.95
147580	MK102	Flashing LED kit, Requires 9V battery, 2 T1 3/4 Red LEDs	23	INT	1.3 x 1.4 x 0.6	0.1	7.95	6.95
282861	28015	Ping Ultrasonic Range/Distance Finder, Measures distance between moving or standstill objects	—	INT	0.9 x 1.8 x 0.6	0.2	29.95	27.95
151482	OEM-ANN1	Use this Distance Sensor Module to ultrasonically sense distance or size with your computer	—	INT	2.8 x 1.8 x 0.9	—	163.95	155.95
147643	K4304	10-LED Mono VU Meter kit	36	INT	2.7" x 1.4"	—	24.95	22.45
662733	SDF-1	Radio Direction Finder	69	INT	—	—	39.95	35.95
129120	K3502	Parking Radar kit	55	INT	4.9 x 1.9	—	45.95	40.95
662709	STOP-1	Stop Light Controller kit	36	INT	2.8 x 2.3	—	17.95	15.95
645221	K8063✪	Build this 2-Digit LED Display and show any 2-digit number with your computer. Requires soldering	46	INT	2.9 x 2.3 x 1.3	—	54.95	49.95
211764	MK116	Santa Sleigh and Reindeer kit	201	EXP	5.7 x 3.2	—	19.95	17.95

Miscellaneous

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing 1	Pricing 5
358299	70100	Tank and Track Wheel set	40	BEG	—	—	$9.95	$8.95
358213	72001	Planetary Gearbox kit	—	INT	—	—	19.95	17.95
358336	70144	Ball Caster set	60	INT	—	0.6	6.95	6.25
127554	K6400	Code Lock kit	67	INT	1.7"L x 1.8"W	0.5	34.95	31.49
645263	VM110	Control your electronics from your computer w/ this USB Interface, 7 inputs and 10 outputs	1	EXP	5.7 x 3.0 x 0.8	—	89.95	80.95
357683	3-203	Frankenserial Interface kit	25	—	—	—	39.95	35.95
358432	TELCMD-USB	Telecommander Software	—	—	—	0.2	29.95	26.95
404419	165441	Serve tea with this mechanical wind-up Tea Serving Robot	1	BEG	10.0"H x 4.0"W	2.1	99.95	89.95

Motor Gearbox

358248

Metal Detector

129091

IR Red Illuminator

157964

Flashing LED Kit

147580

Range Finder

282861

LED Sweetheart Kit

147555

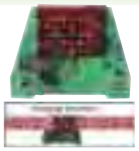
Distance Sensor

151482

DC Pulse Width Kit

120539

Scrolling Message Kit



200310

USB Interface

645263

Off Roader

Build an advanced, muscular truck full of working functions! Use the built-in power functions to adjust the ground clearance, turn the front winch, or turn on the LED headlights! The gull-wing doors, the hatch and hood can all be opened!

- Features V8 engine with moving pistons and working steering system
- Rebuilds into a buggy!
- 15" (39cm) long
- Difficulty level: intermediate

Includes: Battery box, lights, switch & motor

Requires: 6 AA batteries (not included, recommend P/N 198707, pg 146)

Part No.	Product No.	1	5
2095031	8297	$129.95	$119.95

Robotic Arm

Create and take command of the Robotic Arm Edge, the new, incredibly flexible robotic arm you can build yourself. Find gadgets all around the base tith, the new search light and the enormous reach of the arm!

- Five switch wired controller
- Base rotation of 270˚
- Lifts 100 grams (3.5 ozs.)
- Horizontal reach of 12.6 inches
- Extensive elbow range of 300˚
- 187-piece kit
- No soldering required
- Difficulty level: intermediate

Requires: 4 D batteries (not included, recommend P/N 215845, pg 146)

Part No.	Product No.	1	5
2095023	OWI-535	$49.95	$44.95

Radio Direction Finder Kit

A direction finder antenna that connects to any UHF/VHF Ham Radio or Scanner; great for finding hidden transmitters that are raising havoc with your repeater. Tune your radio to the frequency of the transmitter you are trying to locate (from 140MHz to 500MHz); you will hear a tone and the transmitter modulation at the same time. To further check your progress, the signal level meter of the radio should rise.

- 69-pieces
- Expert level

Part No.	Product No.	1	5
662733	SDF-1	$39.95	$35.95

All Jameco purchases are guaranteed for a full 90 days and even longer for Jameco House Brands.

Edu & Hobby

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Green Laser Pointer

Class IIIa Laser Product

Uses a wavelength closely matched to the highest sensitivity of the human eye and built with cutting-edge crystal technology.
Projects a green beam so powerful you can see it against a clear night sky.

- Output wavelength: 532nm • Output power: <5mW
- 90-day manufacturer's warranty

Includes: Metal gift box, clip and 2 AAA batteries

Part No.	Mfr. Part No.	1	5
223731	5608	$99.95	$89.95

Laser Diode

- Optical output power: 5mW maximum
- Operating current: 30mA
- 5.6mm packaging size
- Operating voltage: 2.6V maximum
- Lasting wavelength: 650nm typical
- Beam divergence of 11˚ from center line max.

Class IIIa Laser Product

Part No.	Product No.	1	5	25
182932	ULD-6556	$14.95	$13.45	$12.09

75W Laser Diode

- Nanostack pulsed laser diode
- Nanostack laser technology including multiple epitaxially stacked emitters
- Applications: range finding, security/surveillance, illumination/ignition, test and measurement systems
- Peak power: 75W • Laser aperture: 200µm x 10µm
- Number of emitters: 3 • Wavelength: 905nm

Class IIIa Laser Products

Part No.	Mfr. Part No.	1	5	25
1623584	SPL PL90-3℞	$39.95	$37.55	$36.05

650nm Line and Dot Laser Diodes

★Web Code: LAZ

173243

143845/173243:

- Focus adjustable w/ locking set screw
- Wattage: 5mW
- Operating volt.: 3-5V
- Size: 3.3"L x 0.9"Dia.
- One-year warranty

Class IIIa Laser Product

143845: Line laser module

- Laser line width: 1mm • Laser fan angle: 60˚

173243: Cross hair laser diode module

- Laser fan angle: 60˚ • Size: 3.0"L x 0.9"D
- Female 2.1mm power connector

143837: Module regulated power supply

- Output: 5VDC @ 100mA
- Short-circuit protection
- Input voltage: 95-125VAC or 190-250VAC switchable
- Size: 2.0"W x 1.7"D x 9.2"H
- Weight: 0.6 lbs.

143853: Laser module mount

- X-Y tilt, θ movement
- Built to hold laser diode on target
- Tightening screw for tilt adjustment

143853

Part No.	Description	1	5
143845	Line laser diode module	$114.95	$103.95
173243	Cross hair laser diode mod	109.95	99.95
143837	Regulated power supply	20.95	18.95
143853	Laser diode module mount	59.95	53.95

Laser Pointer Pen

- Range up to 500 yards
- 670nm red laser

Class IIIa Laser Product

Includes: 2 AAA batteries

Part No.	Mfr. Part No.	Size (L" x Dia")	1	5
153605	4012	5.2 x 0.4	$21.95	$19.75

Laser Diode Module

- Operates on 3VDC @ <5mW
- 650nm wavelength
- Beam diameter: 5 x 8mm
- Working distance: over 50 meters (daylight), 200 meters (dark)
- Size: 0.9"L x 0.3"Dia • One-year warranty

Class IIIa Laser Product

Part No.	Description	1	5
310519	Laser module, brass	$44.95	$39.95

Climax Spider Shaft Coupler

- 2 set screws (10-32 x 1/8)
- Size: 0.75"L x 0.5"OD

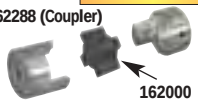
★Web Code: EBE

Part No.	Description	1	5	25
138288	.250" ID sleeve coupler	$5.95	$5.35	$4.79

Spider Couplers

★Web Code: EBE

- Used with motors
- 1 set screw per hub
- Hub OD: 0.625" Dia.
- Hub length: 0.56"
- Parts sold individually



Part No.	Description	1	5	25
162288	.125" (3.18 mm) ID hub	$1.49	$1.35	$1.19
161998	.197" (5.00 mm) ID hub	1.19	1.05	.95
162270	.250" (6.35 mm) ID hub	1.49	1.35	1.19
162000	Rubber spider	1.55	1.39	1.25

Thrust Washers

Use to reduce the friction that occurs in metal-to-metal contact, particularly where wheels join to axles.

401226

Part No.	I.D	O.D.	# of Balls	Load Rating @ 15 RPM	1	5
401197	1/8"	.434"	6	89 lbs.	$2.95	$2.49
401200	3/16"	.497"	7	104 lbs.	2.95	2.49
401226	5/16"	.622"	9	134 lbs.	3.49	2.95
401234	3/8"	.809"	6	149 lbs.	3.95	3.49
401242	1/2"	.934"	8	198 lbs.	3.95	3.49

60˚ Line Generating Lens

- Adjustable focus range: 50cm to ∞
- Back focal length: 1.5mm
- Focal length: 8.0mm
- Beam divergence: 2.0mrad
- Lens construction: 3E.3G (glass)
- Length at 1 meter distance: 1.7 m

Class IIIa Laser Product

Part No.	Mfr. Part No.	1	5	25
134148	LO-60	$9.95	$8.95	$7.95

★Lasers — Enter Web Code LAZ

10-Piece Gear Assortment

- Polyethylene resin
- Gears are 0.147" bore size
- Bushings are 0.07" bore diameter
- T10, T20, T30, T40, T50 and bushing

Part No.	Description	1	5	25
1810072	Gear set – 10 pieces	$7.95	$6.95	$6.25

★Gears — Enter Web Code PEF

Hub and 48-Pitch Gear Set

- Low coefficient of friction requires little or no lubrication
- Residual stress removed by annealing process

157104

168284

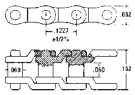
168284 Includes:
1 each of the following: 10 teeth with 3/32" bore size; 14 and 16 teeth with 1/8" bore, 20, 24, 30, 36, 44, 54, 66, 84 and 100 teeth with 1/4" bore size

Part No.	Description	1	5	25
157104	1/4" bore aluminum mounting hub with set screws	$7.95	$6.95	$6.25
168284	Gear set - 12 pieces (see description above)	39.95	34.95	31.95

16-Pitch Sprocket Set and Chain

- Operates in high humidity and corrosive environments
- Chain links can easily be added or removed to adjust total length
- Chain tension load: 2.0 lbs.

157075



157075

168276

168276: 14-piece sprocket set includes 1 each of the following: 8, 9, 10 teeth with 1/8" bore size; 12, 15, 16, 18, 20, 24, 30, 32, 36, 40 and 48 teeth with 1/4" bore size

Part No.	Description	1	5	25
157075	Drive chain (12" long)	$10.95	$9.95	$8.95
168276	Sprocket set - 14 pieces (see description above)	29.95	26.95	23.95

We're Listening to What You Need

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronic needs.
Send feedback to Feedback@Jameco.com.

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

MONDO•TRONICS

Modulated Infrared Reflective Detector Kit

This kit detects object by means of a modulated beam of infrared light. Its output signal can sink up to 100mA for direct drive of an LED indicator, a relay or as an input to a microprocessor. An ideal proximity detector for miniature robots.

- Voltage: 5V nominal output • Output: open collector, sink of up to 100mA
- Range: up to 3 ins. (depends on target reflectivity)
- High noise immunity • 17-piece kit

Part No.	Product No.	Difficulty Level	Size (L" x W" x H")	1	5
358580	3-337	Intermediate	0.9 x 0.8 x 0.4	$22.95	$19.95

Space Wings Kits

Sleek silvery mylar wings flap silently using only five centimeters of Muscle Wire. Perches on your computer, annoys cats or amuses babies. Space Wings stand 15cm tall and flap up to 36 times per minute.

141313

Includes: Printed circuit board, parts, & detailed instructions

MONDO•TRONICS

Part No.	Prod. No.	Description	1	5
357827	3-619	Kit - solar space wings	$23.95	$21.95
141313	3-001	Kit - space wings	19.95	17.95

Nitinol Tension and Compression Springs

Activate them electrically or with hot and cold water

357835: Tension

- 350 gram hanging mass, will stretch to a length of 60mm. When heated to 45-55°C with 2A it will shorten to 30mm and lift the mass
- Coil outside dia.: 6mm • Wire dia.: 750µm

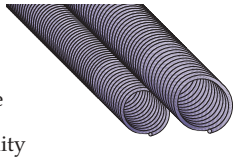
MONDO•TRONICS

357843: Compression

- Can be pressed down to 16mm in length, then when heated to 55-65°C with 3A of current, it will push outward to 30mm while pushing 400 grams
- Coil outside dia.: 8mm • Wire dia.: 950µm

Part No.	Description	1	5
357835	Tension springs (4 pack)	$45.95	$41.35
357843	Compression springs (4 pack)	45.95	41.35

BioMetal® Micro Helix



Extending & contracting by 2-1/2 times their length, these amazing tiny coils bring a whole new dimension to shape memory alloy devices. Preprocessed, high-quality BioMetal nitinol alloy coils measure just 20mm (0.75 inch) long contracted, and easily extend to 50mm (2 inches) under load, then they recover fully when activated by heating to 90°C.

MONDO•TRONICS

Includes: Plans for tiny "weight lifting" demo device

- 20mm-0.40mm • 12g/27Ω

✪ Blue Part No. = Limited Quantity Available

Part No.	Product No.	1	5
358011	Helix 100 ✪	$27.95	$24.95

Muscle Wire R & D Kit

Combine our Project Book and samples of 4 most popular sizes of wire and get big savings!

MONDO•TRONICS

357528:

- Five meters each of Flexinol 050, 100 & 150 LT wire
- One meter each of Flexinol 250 LT wire

357659:

- Muscle Wires Project Book
- 20cm of Flexinol® 050
- 40cm each of 100 and 150 LT wire

141330: Muscle Wires Project Book 3rd Edition

Part No.	Description	1	5
357528	3-102 Muscle Wire R&D kit	$225.95	$199.95
357659	3-141 Project Book sample kit	34.95	31.45
141330	3-133 Project Book only	19.95	17.95

MONDO•TRONICS

Nitinol SMA Wires

Untrained, as-drawn Ni-Ti (nickel titanium) wire. Form and anneal to your shape for springs, thermal actuators and memory wire.

- 3-401: 1 meter, 500µm wire
- 3-402: 1 meter, 100µm wire

Part No.	Product No.	1	5
357798	3-401	$16.95	$15.25
357801	3-402	29.95	26.95

Muscle Wire Super Sample Kit

Includes 20cm each of five diameters (037, 050, 100, 150, 250) in both low temp (LT) and high temp (HT) formulations. That's ten separate Muscle Wires, two meters total, and technical specifications for all the wires.

MONDO•TRONICS

Part No.	Product No.	1	5
357641	3-136	$35.95	$32.35

Compass Module

PARALLAX

Dual-axis magnetic field sensor built around the Hitachi HM55B IC.

- 6-bit (64 direction) resolution after calibration
- Built-in resistor protection for data pins eliminates bus conflict risks
- Compact/breadboard-friendly 0.3", 6-pin DIP package
- Compatible with all BASIC Stamp, Javelin Stamp and SX microcontrollers

Part No.	Description	1	5
653651	HM55B compass	$29.95	$26.95

MONDO•TRONICS

Flexinol Muscle Wires®

These unique nickel-titanium alloy Muscle Wires® actually shorten in length when electrically powered, and can lift thousands of times their own weight.

How it works… Pressing the switch lets power flow from the batteries through the Muscle Wire®, heating it and causing it to contract, raise the lever and lift the weight. When power is removed, the Muscle Wire® cools and relaxes, and the weight helps it return to its starting position.

★ *Web Code: WAU*

- Length: 1 meter **Includes:** Instructions

Part No.	Mfr. P/N	Length (meter)	Wire Dia. (microns)	Linear Resistance (Ω/m)	Typical Current (mA)	Deform Weight* (grams)	Recovery Weight* (grams)	Typical Rate**	Pricing 1	Pricing 5
357561	025HT	5	25	1770	20	2	7	—	$66.95	$59.95
357456	025LT	1	25	1770	20	2	7	—	22.95	19.95
357931	075LT	1	75	200	100	815	80	40	19.95	17.95
357595	100HT	1	100	150	180	28	150	43	18.95	16.95
141321	100LT	1	100	150	180	28	150	33	17.95	15.95
357472	100LT	5	100	150	180	28	150	33	66.95	59.95
141874	150LT	1	150	50	400	62	330	20	17.95	15.95
160055	375LT	1	375	8	2750	393	2000	4	22.95	20.95
357712	375HT	1	375	8	2750	393	2000	5	22.95	20.95

*Multiply by 0.0098 to get force in Newtons **Cycles per minute, in still air, at 20° Centigrade

Vector 2X Compass Module

PNI

- Pin selectable BCD or binary output format (compatible with Motorola SPI and National Microwire)
- 2° accuracy, 1° resolution
- 3-wire serial output format
- Raw uncalibrated magnetometer output optional
- Hard iron calibration
- Master or slave capability for data clock generation
- 5Hz sampling rate

Requires: Power supply 5V @ 10mA (recommend P/N 112070, pg 120)

NEW MARKED IN PINK

Part No.	Description	Price
126703	Compass module	$49.95

Helping You Find What You Need

Can't find the product you're looking for? Call us at 1-800-831-4242.

Edu & Hobby

★ *For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Propeller Professional Development Board

The Propeller Professional Development Board (PPDB) is a high-quality, fully-integrated development platform for the Propeller microcontroller. A wide variety of typical I/O (LEDs, buttons, etc.) devices and circuitry are built into PPDB, providing the developer with an ideal platform for rapid Propeller project development.

- 40-pin DIP socket for PX832A-D40 Propeller microcontroller
- 6 blue 16-segment LED displays (5V and 3.3V compatible)
- 16 blue discrete LEDs (5V and 3.3V compatible)
- L293D high current drivers for motors, solenoids, etc.
- 8 active-low pushbutton switches and DIP switches w/ 3.3V pull-ups
- 8 servo headers with selectable on-board/external power source
- DS1302 real time clock with battery back up/charging capability
- MAX4411 headphone amplifier with 1/8" stereo phone jack
- Two PS/2 ports with 5V power and 3.3V pull-ups on clock/data lines
- Ground terminal for oscilloscope ground clip
- Power requirements: 7-12VDC (12VDC @ 59mA)
- 24LC256 32K EEPROM
- Built-in USB programming interface
- Two 10K potentiometers
- 5V and 3.3V voltage regulators
- HDDB-15 connector for VGA monitor
- MAX3232E RS-232 DCE interface
- 5MHz crystal

Part No.	Product No.	Size (W" x H" x D")	1	5
2007126	32111℞	9.0 x 5.25 x 0.75	$169.95	$152.95

BASIC Stamp Discovery Kit (USB)

The most popular BASIC Stamp microcontroller is the BS2-IC module – widely used in education, hobby, and industrial applications. This module has enough program space, execution speed, and I/O pins for most applications. The *What's a Microcontroller?* (WAM) parts and text kit provides over 40 activities designed to provide the best possible introduction to BASIC Stamp programming. Kit includes BASIC Stamp 2 module, Board of Education (USB), BASIC Stamp manual, CDROM (software & documentation), USB cable, and WAM parts and text book.

Part No.	Product No.	1	5
387971	27807	$169.95	$159.95

Boe-Bot Full Kits

Now with Robotics text v.2.0! The new text includes 41 activities for the Boe-Bot and PBASIC 2.5 source code support. The Boe-Bot's flexibility stems from the fact that it's a rolling Board of Education. The Board of Education and BASIC Stamp may be removed to be used as your platform for the other Stamps in Class curriculum. The robot may be programmed to follow a line, solve a maze, follow light, or communicate with another robot.

Requires: 4 AA batteries (P/N 198707 not included).

Part No.	Product No.	1	5
282933	28132 (serial)	$158.95	$142.95
387997	28832 (USB)℞	159.95	142.95

HB-25 Motor Controller

The Parallax HB-25 motor controller is the single best solution for DC motor control. Dependable and highly compatible with any micro-controller that can generate a servo compatible pulse. This motor controller allows a DC motor to be controlled much like a continuous rotation servo.

- Motor supply: 6VDC min. to 16VDC max.
- Load current: 25A continuous; 35A surge
- Single pulse operation
- Automatic fault reset
- Single/dual motor control mode
- Size: 1.6"W x 1.9"D x 1.6"H

Part No.	Product No.	1	5
2007193	29144	$49.95	$44.95

Stamp Works Kit Plus

This all-in-one kit includes a well-written collection of 35 experiments that will teach you first class BASIC Stamp programming.

- Weight: 10 lbs.

Includes: Stamp Works experiments and Source Code book, BASIC Stamp Syntax and Reference Manual, Development Board (28138), 2 x 16 parallel LCD with custom cable, BS2 module, 3 rolls of 100' 22AWG wire, photoresistor, resistor and capacitor assortment, NE555CN timer, (2) 74HC165N, LM358N, DS1620, (2) 74HC595CN, 24LC32A serial EEPROM, MC14489 serial cable, USB cable, stepper motor, servo motor, CD-ROM software and documentation, and 12VDC @ 1A power supply.

Part No.	Product No.	1	5
661116	27297 kit℞	$289.95	$260.95

*For All Parallax Products — Enter Web Code PAR

Propeller USB Proto Board

All the features of the Propeller Proto Board plus the USB Programming Interface on board for projects needing USB interfacing in their applications.

- P8X32A-Q44 Propeller chip
- Three-position power switch
- LM1086 5V and 3.3V regulators
- Access to all 32 I/O points
- Sockets for 4 servos
- 64kB EEPROM for program data and storage
- Removable 5MHz crystal
- Programming interface included on board
- Power requirements: 6-9VDC @ 300mA to 1.5A

Part No.	Product No.	Size (L" x W")	1	5
2007118	32812℞	4.0 x 3.0	$39.95	$35.95

Propeller Starter Kit

Just what you need to get started with the Propeller microcontroller. Kit includes demo board, manual, software on CD and USB cable. Has built-in P8X32A-Q44 MCU, EEPROM and 5MHz crystal pre-wired to connectors for interfacing to devices. This is all configured for immediate use by many objects from the Propeller Object Library (included).

Part No.	Product No.	1	5
2007097	32300℞	$99.95	$89.95

Propeller Education Kit

This kit features breadboard-friendly versions of the Propeller chip, EEPROM and other core components making it easy and inexpensive for students to replace parts as needed. All you need is a 9V battery (P/N 198731).

Includes: Propeller 40-pin DIP microcontroller plus electronic components and connectors for a fully functional system, USB to serial programming and communications tool, kit project parts, interconnecting breadboards.

Part No.	Product No.	1	5
2007100	32305℞	$99.95	$89.95

Edu & Hobby

BS2 Educational Starter Kit

This complete "Getting Started" kit is enhanced to include the *What's a Microcontroller?* (WAM) curriculum. Includes all of the BASIC Stamp hardware required to complete the activities and challenges. With the WAM kit you'll get your feet wet through a series of over 40 activities designed to provide you with the best possible introduction to the world of BASIC Stamps.

Includes: BASIC Stamp 2 module, Board of Education Programming Board, BASIC Stamp Manual, CD-ROM, jumper wires and a serial cable

Part No.	Product No.	1	5
282829	27207℞	$165.95	$149.95

Board of Education Full Kit

- P0 – P15 I/O pins
- Mechanically interlocked power supply to prevent dual connection of wall pack and 9V battery
- DB9 connector for programming and serial communication
- Female 10-pin dual row connector for optional AppMods

Includes: Board of Education carrier board, BASIC Stamp 2 module, pluggable wires, serial cable and CD-ROM

For complete specifications visit www.Jameco.com

Part No.	Product No.	1	5
1536907	28103℞	$109.95	$99.95

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

PARALLAX

Sensors, Module & Accessories

• Compatible with most microcontrollers • Easy interface • See **www.Jameco.com** for complete specs.

Sensors

Part No.	Description	1	10
2082863	CO gas sensor	$32.95	$32.95
2082871	LPG gas sensor	32.95	32.95
2082880	CH_4 gas sensor	32.95	32.95
2082901	HS1101 humidity sensor	6.95	6.25
2082927	PIR sensor	12.95	11.49

For All Parallax Products — Enter Web Code PAR

Module

Part No.	Description	1	10
2082919	Gyroscope module	$49.95	$44.95

Accessories

Part No.	Description	1	10
2082855	2-Axis joystick	$11.95	$11.49
2082935	SD Card Adapter	19.95	17.95

HITEC

Crystal Oscillators

75 MHz, compatible with Hitec Receivers *Web Code: RCO*

- FM/Q-PCM dual conversion crystal for DCX
- FM single conversion for HFS-03MM and HIS-03MK
- AM AM single conversion for HP-2NRB & HAS-2MB

Pricing per Crystal Oscillator

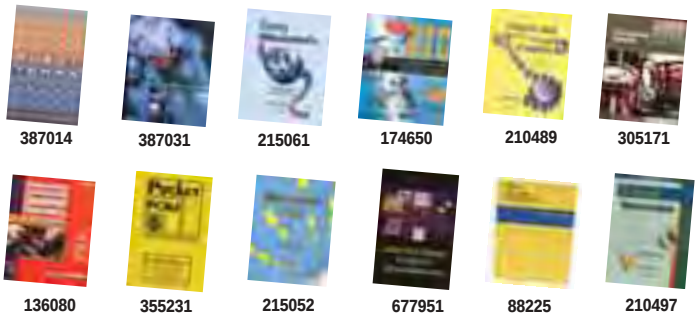
	Price
Price per crystal	$5.95

Channel	Part No.	Receiver	Part No.	Receiver	Part No.	Receiver
61	396412	1	396711	2	397010	3
62	396421	1	396720	2	397028	3
63	396439	1	396738	2	397036	3
64	396447	1	—	—	397044	3
65	396455	1	396754	2	397052	3
66	396463	1	396762	2	397061	3
67	396471	1	396771	2	397079	3
68	396480	1	—	—	397087	3
69	396498	1	—	—	397095	3
70	396501	1	396800	2	397108	3
71	396519	1	396818	2	397116	3
72	396527	1	396826	2	397124	3
73	396535	1	396834	2	397132	3
74	396543	1	396842	2	397141	3
75	396551	1	396851	2	397159	3
76	—	—	396869	2	397167	3
77	396578	1	396877	2	397175	3
78	396586	1	—	—	397183	3
79	396594	1	396893	2	397191	3
80	396607	1	396906	2	397204	3
81	396615	1	396914	2	397212	3
82	396623	1	396922	2	397221	3
83	396631	1	—	—	397239	3
84	396640	1	396949	2	397247	3
85	396658	1	396957	2	397255	3
86	396666	1	—	—	397263	3
87	396674	1	396973	2	397271	3
88	396682	1	—	—	397280	3
89	396691	1	—	—	397298	3
90	396703	1	397001	2	397301	3

New Products and Accessories That Didn't Make The Catalog
Discontinued Consumer Products
www.Jameco.com/TechCenter

Books

Web Code: BKS



Part No.	Description	Pages	Price
387014	ROBOT TEAMS: DIVERSITY TO POLYMORPHISM	425	$49.95
387031	SERVICE ROBOTS	216	44.95
215061	EASY MICROCONTROL'N VERSION 4.1	178	34.95
174650	PIC MICROCONTROLLER PROJECT BOOK	292	29.95
210489	TIME'N AND COUNT'N (VERSION 2.0)	218	34.95
305171	RECHARGEABLE BATTERIES, APPLICATION HANDBOOK.	290	49.95
136080	TROUBLESHOOT & REPAIR CONSUMER ELECTRONICS w/o a schematic	461	29.95
355231	POCKET PC REFERENCE BOOK, 13th Edition	1088	14.95
215052	MICROCONTRL'N APPS VERSION 3.0	437	39.95
677951	MODERN SOLDER TECHNOLOGY, COMPETITIVE ELECTRONICS MFG.	622	69.95
88225	TEXAS INSTRUMENTS TTL DATABOOK	1240	34.95
210497	SERIAL COMMUNICATIONS (VERSION 3.0)	566	49.95

For other Crystal Oscillators
See pages 38 & 39

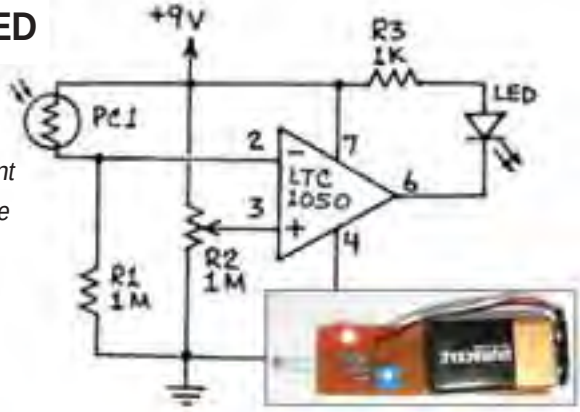
THE JAMECO WORKSHOP

Booster Light for Hard Drive Activity LED

by Forrest M. Mims III

The hard drive activity LED of a desktop computer can be difficult to see when the computer is placed under or adjacent to a desk. Sometimes it's helpful to know that your hard drive is active, and this project will let you know by boosting the dim glow of the HDD activity LED into a much brighter light.

For this and other do-it-yourself projects, go to:
www.Jameco.com/recipe5



Edu & Hobby

For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

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We accept VISA, MasterCard, American Express and Discover. No surcharge. Your account will not be charged until your order is shipped. When ordering, please advise name on card and credit card billing address.

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You may pay by check or money order in U.S. funds, drawn on a U.S. bank.

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C.O.D.

Personal checks are accepted. Please add $9.00 per C.O.D. order. Include the name and address of your bank and your account number.

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Jameco Warranty

Jameco warrants all merchandise against defects in material or workmanship for a period of 90 days (One year for Jameco ValuePro, ReliaPro & BenchPro products) from the original purchase date unless otherwise stated in writing by Jameco. If Jameco receives the product considered to be defective within this warranty period and the product is determined to be defective, Jameco will, at its sole option and discretion, either repair or replace the product. The foregoing is your sole and exclusive remedy and states Jameco's entire liability arising out of this warranty. [However, Jameco will transfer to customer whatever transferable warranties and indemnities Jameco receives from the manufacturer of the products. Any claims arising from such manufacturer's warranties shall be the sole responsibility of the manufacturer and not of Jameco.] Moreover, Jameco's limited warranty is void if the damage or defect has resulted from improper customer assembly, failure by customer to follow instruction, product modification, negligent or improper operation, accident, abuse or misapplication. Products returned to Jameco pursuant to this warranty must be returned to Jameco prepaid.

No Other Warranties

The limited warranty above is exclusive and in lieu of all other conditions and warranties for the products and documentation. Jameco makes no other conditions or warranties, express, implied, statutory or otherwise, and expressly disclaims all other conditions and warranties, including but not limited to, implied conditions or warranties of merchantability, fitness for a particular purpose, and non-infringement of the products.

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Belmont, CA. 94002.
Will-call office hours are
8:00 a.m. – 5:00 p.m.
Monday – Friday.

CONTACT INFORMATION

The following services are available at 1-650-592-8097 Monday – Friday from 6:30 a.m. – 5:00 p.m. PST or via e-mail:

- International Sales (International@Jameco.com)
- Customer Service (Custservice@Jameco.com)
- Credit Department (Credit@Jameco.com)
- Technical Support (Tech@Jameco.com)
  (Monday – Friday – 8:00 a.m. – 5:00 p.m. PST)

Toll-Free Hotline!

Please call us at 1-800-831-4242.

POLICIES

Confirming Orders

Please do not send confirming orders. If company policy necessitates a confirming order, please mark "CONFIRMING" boldly on the first page of the order.

No Minimum Order

A $5.00 processing fee will be added to U.S. orders under $25.00. This fee will be waived on web orders. All international orders below $40.00 will incur a $7.50 processing fee.

PRICES

Prices are effective 01-04-10. In the unlikely event you find a lower price in a printed catalog or magazine, simply call us with the details at the time of purchase. We'll beat any price by 10% as long as it's above our cost. Prices and discounts are subject to change without notice. Jameco is pleased to occasionally offer promotional discounts to our customers but these are to be applied to products and orders purchased at published prices and may not be combined with any other discounts. We are not responsible for any typographical errors in this catalog. Photos are representative; product appearance may vary.

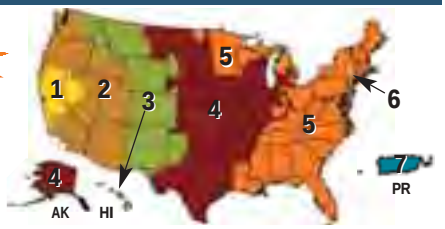
RoHS COMPLIANCE

Jameco obtains all RoHS compliance status information from its suppliers solely and does not verify or confirm such status. Products are coded with the following symbols throughout the catalog:

℞ RoHS compliant product

+ Available in both RoHS and non-RoHS

SHIPPING INFORMATION



Guaranteed Delivery Time for UPS Ground (Business Days)
1 day 2 3 4 5 6 7 days

Orders received Mon.–Fri. by 6:00 p.m. Eastern Standard Time will be shipped the same day. Orders received Saturday and Sunday will ship the following business day. Drop ship items require 1-2 additional days to ship. If we are unable to fill your order on the day received, we will send you a gift certificate worth $5.00 towards your next Jameco purchase. This offer does not apply to orders waiting for credit approval, backordered items or drop ship items.

Options and Rates*

Jameco is pleased to occasionally offer promotional discounts to our customers but these are to be applied to products and orders purchased at published prices and may not be combined with any others discounts.
Delivery times are based on working days.

UPS

	First 2 lbs. (Res. / Comm.)	Additional lb. (Res. / Comm.)
Ground	$8.45 / $6.90	$0.55 / $0.35
3-Day	$11.45 / $9.25	$1.25 / $1.25
2-Day	$13.75 / $11.50	$1.75 / $1.75
Next Day PM	$24.00 / $20.50	$2.50 / $2.50
Next Day AM	$26.50 / $24.50	$2.75 / $2.75

FEDEX

	First 2 lbs. (Res. / Comm.)	Additional lb. (Res. / Comm.)
3-Day	$12.25 / $9.75	$2.25 / $2.25
2-Day	$16.50 / $14.00	$3.00 / $3.00
Standard	$28.50 / $26.00	$4.00 / $4.00
Priority	$31.50 / $29.00	$4.00 / $4.00

Priority Mail (USPS)

$8.60 for 1st lb.; $3.45 for each additional lb.
Orders must be placed before 6:00 p.m. Eastern Standard Time to ship same day.

Packaging Weight

The above shipping rates are estimates only; exact shipping charges will be calculated when order is shipped. These estimates do not include dimensional weight; Jameco reserves the right to increase shipping charges to accommodate for dimensional weight if applicable by the carrier.

* The above rates apply to single box shipments through UPS that are less than 50 lbs. Please call for shipping quote on packages greater than 50 lbs. or for other carriers. Jameco reserves the right to rebill shipping surcharges for customer misaddressed packages.

International Shipping & Handling

Shipping is via courier or postal service, depending on your preference, insurance availability, and the size and weight of your package. Jameco will apply actual shipping charges with a nominal handling charge on all foreign orders. For mail-in customers, please include 25% for shipping charges or call for a shipping quotation. All returns that meet postal requirements must be sent prepaid via air parcel post. All courier shipments to Canada and Mexico require a certificate of origin.

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Ball End, Hex Key & Screwdriver Sets

Built Stronger to Last Longer!

Bondhus tools are made from the highest quality steel and are warrantied for the life of the tool. The cost to replace or repair a stripped or broken screwhead far exceeds the extra cost of a quality tool. These tools are made for people who use tools for a living and rely on them for efficiency and comfort. All Bondhus tools have ergonomically designed handles to relieve fatigue and the pain associated with extended use.

2096229

MADE IN USA

Part No.	Description	1	10
2096229	6-pc. screwdriver set (4 slotted & 2 phillips)	$37.95	$35.95
2096350	8-pc. ball end screwdriver set	21.95	19.95
2096499	16-pc. folding hex key set (inch & metric)	13.95	12.49
2096173	12-pc. ball end hex key set	12.95	11.95
2096456	7-pc. 1000V insulated screwdriver set	32.95	29.95
2096165	11-pc. bit set w/ screwdriver handle	24.95	22.95

For our complete Tool selection see pages 156-160.

Wagan Cell Phone/PDA Travel Adapter

Provides Both DC & USB Power

The Wagan adapter converts any car charger into a wall adapter by simply plugging the adapter into the wall and car charger into the DC port. It's universal for all cell phone brands when used with your car charger. It's also suitable for any PDA or MP3 player by utilizing the USB port.

- DC: 12V @ 500mA
- USB: 5V @ 500mA
- Fuse protected
- Space saving folding design

Part No.	Description	1	10
2096051	AC to DC power adapter	$14.95	$13.49

Laptop 120W Table-Top Power Supply

Provides Consistent & Continuous Power

- Output: +19VDC @ 6.0A
- 100-240 @ 50-60Hz
- 2.5mm x 5.5mm female center positive (4')
- Size: 6.6"L x 2.4"W x 1.4"H
- Cord: 6' AC Power
- UL/CUL/TUV/CE approvals

Part No.	Product No.	1	10
2099761	EA1203B	$49.95	$44.95

For a listing of Power Products see page 118-143.

Mountain Switch Lever/Button Basic & Snap Switches

More Choices for Your Applications

We've expanded our line of Subminiature Basic Switches to include straight lever, roller lever and button type SPDT normally closed switches. We have also added SPDT normally closed super miniature snap action switches with two types of actuator – straight lever and simulated roller.

2097731

2097601

Subminiature Basic Switches

Part No.	Product No.	Actuator Type	Contact Rating (A @ VAC)	1	10
2097651	61-05-033ST-Q-V℞	Straight lever	5 @ 125/250	$1.09	$.95
2097715	61-10-055ST-EV℞	Straight lever	10.1 @ 125/250	1.39	1.25
2097678	61-05-025RR-Q-EV℞	Roller lever	5 @ 125/250	1.25	1.09
2097731	61-10-060RR-Q-EV℞	Roller lever	10.1 @ 125/250	1.49	1.35
2097627	61-05-104XX-Q-EV℞	Button	5 @ 125/250	.99	.89
2097694	61-10-249XX-Q-EV℞	Button	10.1 @ 125/250	1.39	1.25

Super Miniature Snap Switches • 3A @ 125VAC; 0.2A @ 60VDC

Part No.	Product No.	Actuator Type	Length	1	10
2097598	13-03-070ST-EV℞	Straight lever	.433"	$.95	$.85
2097580	13-03-050ST-EV℞	Straight lever	.551"	.95	.85
2097601	13-03-045SR-EV℞	Simulated roller	.614"	.95	.85

For more Switches see page 90-96.

JAMECO ValuePro Electronic Starter Kit

This Electronic Starter Kit includes everything you need to get started with electronics. As a special promotion it has been discounted 25% from the price of eachindividual component. This kit comes with an 8 function 20,000 count DMM, 25-Watt soldering iron, solder, 1360 point bread board, jumper wire kit, 22 AWG hook up wire, 11 pc precision screw driver set, wire cutter, 7 in 1 wire stripper, electrical tape, and an assortment of capacitors & resistors.

Part No.	Description	1	5
2099171	Electronic Starter Kit℞ (Save 25%)	$99.95	$89.95

For additional Soldering Products see page 161-166.

Camera Detector

Is someone watching you?

The P3 easy to use wireless camera detector fits in the palm of your hands. Just a few discreet sweeps in a home, office or hotel room can detect a camera with frequencies from 50MHz to 3GHz quickly and efficiently. When discovered, an LED flickers and an audible alarm sounds.

- Size: 3.25"L x 0.75"W x 0.25"thick

Part No.	Product No.	Description	1	10
2096157	P7030℞	Wireless Camera Detector	$29.95	$26.95

More Security Products & Accessories on pages 182-183.

General Purpose Blade & Octal Relays

Magnecraft ice cube relays are quality relays combined with an arsenal of functional and visual options, such as removable lock down doors, color-coded push buttons, finger grip covers, contact viewing window, flag indicator, bi-polar LED status lamp, and ID tags. With these features, you have a complete modular system that meets plug-in relay requirements that is both visually appealing and functionally outstanding.

2096131

Magnecraft

Part No.	Product No.	Contact Form	Coil Voltage	1	10
2096122	781XAXM4L-12D℞	SPDT	12VDC	$5.95	$5.49
2096131	781XAXM4L-24A℞	SPDT	24VAC	5.95	5.49
2095875	782XBXM4L-12D℞	DPDT	12VDC	7.95	7.25
2095867	782XBXM4L-24D℞	DPDT	24VDC	7.95	7.25
2095859	782XBXM4L-120A℞	DPDT	120VAC	6.75	5.95
2095891	782XDX2M4L-12D℞	4PDT	12VDC	7.95	7.25
2095939	782XDX2M4L-24D℞	4PDT	24VDC	7.95	7.25
2095921	782XDX2M4L-24A℞	4PDT	24VAC	7.95	7.25
2095912	782XDX2M4L-120A℞	4PDT	120VAC	7.49	6.75

For additional General Purpose Relays see page 99.

Amphenol Connex RF Adapters & Connectors

There are many different variations and cable types for RF adapters, connectors, jacks, plugs, and terminators. Amphenol products are fully tested dielectrically and are VSWR rated to guarantee consistent performance. Jameco's partnership with Amphenol Connex allows us to extend a larger RF offering to you.

1951721 1951705

Part No.	Product No.	Description	1	10
1951721	242141℞	SMA jack to MMCX plug adapter	$12.95	$11.95
1951764	242127℞	SMA female to MCX male adapter	11.95	10.95
1951705	242156℞	N male to F female w/ waterproof adapter	9.95	8.95
1951781	242185℞	BNC jack SMB plug adapter	9.95	8.95
1951852	242131℞	N female to TNC female adapter	9.95	8.95
2098241	112491-10℞	75Ω BNC crimp plug for RGB cable	2.39	1.95
2098275	122108RP℞	TNC crimp plug RG58C/U	1.99	1.89
2098267	222113℞	75Ω F crimp plug RG179/U	1.09	.95
2098259	112521℞	BNC crimp plug for Belden 1865A/8218/B1417B/B1164B/RG-B809	1.69	1.39

For more Amphenol Connex products see pages 82-86

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 190.*

JAMECO® ELECTRONICS
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Great Products. Awesome Prices. Reach for Jameco First!

*** FEATURED PRODUCTS ***

KOBITONE Piezo Transducers & Buzzers

We have increased our line of Piezo Transducers and Piezo Buzzers by adding KOBITONE brand. In our Piezo Transducers section we have added voltages of 3Vp-p, 5Vp-p, 9Vp-p, and 10Vp-p providing you with a voltage range from 1.5 to 15. In our Piezo Buzzer section, we have added buzzers with built-in drives.

Piezo Tranducers

Part No.	Product No.	Rated Voltage	Max. Current	Sound (dB)	Dimensions	1	10	100
2098531	PB220-ROX	3Vp-p	3mA	70	26.5 x 22mm	$1.29	$1.15	$.99
2098523	PB140-ROX	5Vp-p	5mA	80	6.8 x 13.8mm	1.29	1.15	.99
2098558	PB160-ROX	9Vp-p	7mA	80	4 x 16.5mm	1.19	1.09	.89
2098540	PB120-ROX	10Vp-p	5mA	80	3.2 x 10mm	1.09	.95	.79
2098566	PB305-ROX	10Vp-p	9mA	86	9.5 x 30mm	1.29	1.15	.99

Piezo Buzzers

Part No.	Product No.	Operating Voltage	Sound (dB)	Dimensions (H x Dia.)	1	10	100
2098611	15210-ROX	6V @ 6mA	90	0.335" x 0.543"	$3.49	$3.15	$2.85
2098654	35C5-ROX	6V @ 40mA	110	1.02" x 1.65"	4.75	4.25	3.75
2098638	27C0-ROX	9V @ 8mA	97	0.552" x 1.22"	3.69	3.25	2.89

For our complete line of Transducers & Buzzers, see pages 102 - 103.

Contact Information

Order Desk 24/7, 365 Days a Year
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Technical Support
Phone: 1-800-831-4242
E-mail: Tech@Jameco.com

Customer Service
Phone: 1-800-536-4316
E-mail: CustService@Jameco.com

Credit Department
Phone: 650-592-8097
Fax: 650-802-1583
E-mail: Credit@Jameco.com

International Order Desk
Phone: 650-592-8097
Fax: 650-592-2503
E-mail: International@Jameco.com

The Jameco RobotStore
Website: www.RobotStore.com

Feedback E-mail:
Feedback@Jameco.com

European & UK Wall Adapters

9VDC @ 1A

- Output connector: 2.5mm F x 5.5m center negative
- Input voltage: 240VAC @ 50Hz
- Output cord length: 6 feet
- Color: black
- CE and TUV approved
- Size: 3.21"H x 2.31"W x 1.95"D

Part No.	Product No.	Description	1	10	50	100
2099913	T48-9-1000D-3	European	$8.95	$7.95	$6.95	$6.25
2099921	T48-9-1000D-4	UK	8.95	7.95	6.95	6.25

Extensive Selection of Wall Transformers on pages 118 - 122.

Auto/Air DC/DC Power Adapter

Long Lasting Power

Use as a laptop battery charger or use as a power source for devices that require 15VDC to 21VDC at 90-Watts. Plug directly into your automobile's cigarette lighter socket or detach the adapter's cigarette plug to reveal a 2-pin connector for airplane power connectors.

- Output connector: interchangeable tips of 2.1mm F, 2.5mm F, 3.5mm M
- Input voltage: 11VDC to 16VDC @ 10A max.
- Input connector: cigarette plug, fused (15A @ 250V)
- Color: black with LED power indicator
- Input/Output cord length: 42"/48"
- Size: 4.7"L x 2.0"W x 1.0"H

NEW MARKED IN PINK

Part No.	Product No.	1	10	50	100
2099770	AA-5001G	$24.95	$22.49	$19.95	$17.95

More Power Products on pages 118 - 143.

New Jameco Puzzler, see page 88.

Mean Well Power Supplies Reduced 20-40%

Heat Solutions

2097483

All Master products are made in the USA from quality materials and the finest craftsmanship. They are ergonomically designed and balanced to be used all day and reduce fatigue. Master heat tools are well suited for drying, heating, welding, shrinking, soldering, desoldering, and many other applications where heat is required.

MADE IN USA

Part No.	Mfr. Part No.	Description	1	5
2076578	EC-100K ℛ	Economical heat gun (1000W)	$54.95	$51.95
2076501	HG-501Aℛ	Industrial heat gun (1440W)	114.95	104.95
2097483	MT-70	Mini butane torch	19.95	17.95
2097467	MT-30	Table-top micro torch	36.95	34.95
2076615	UT-40SIKℛ	20-80W butane soldering iron	84.95	78.95
2097491	51773ℛ	5-1/8 oz. butane refill	5.49	4.95

More Heating Solutions on page 161.

Heat Shrink Tubing Kits

Protect, Cover and Provide Stability for all your Solder Connections

Jameco's heat shrink tubing kits offer economical and outstanding value for all your heat shrink needs. Each kit includes 6 different sizes of 4" pre-cut lengths in assorted colors or black. Flexible polyolefin tubing offers an outstanding balance of electrical, physical, and chemical properties for industrial, commercial, and military applications. Rated for 275˚F (135˚C).

2095971		2095963/2095947	
Size	Pieces	Size	Pieces
1/8"	12	1/16"	56
1/4"	10	3/32"	35
3/8"	6	1/8"	28
1/2"	4	3/16"	18
3/4"	3	1/4"	9
1"	2	3/8"	8

2095971

2095947

Part No.	Description	Pieces	1	5
2095971	Black, dual wall, moisture resistant	37	$24.95	$22.49
2095963	Black	154	19.95	17.95
2095947	Black/red/white/yellow/blue/green/clear	154	19.95	17.95

Additional Heat Shrink Tubing on page 63.

USB Connectors

One for Every Application!

2096181

Jameco proudly offers a new line of Adam Tech USB connectors. Adam Technologies Inc. is a high quality and affordable manufacturer of advanced interconnect products. Expansions have been added to our USB selection including vertical right angle, side entry, top entry, Type B right angle SMT, Mini USB right angle SMT type B and type AB.

Part No.	Description	1	10	100
2096181	USB-A single port, right angle, PCBℛ	$.39	$.35	$.29
2096202	USB-A single port, right angle, vertical, PCBℛ	.49	.45	.39
2096253	USB-B single port, right angle, SMTℛ	.95	.85	.75
2096261	Mini USB-B single port, right angle, SMTℛ	.95	.85	.75
2096270	Mini USB-AB single port, right angle, SMTℛ	.95	.85	.75
2097011	USB-A single port, vertical top entry, PCBℛ	.39	.35	.29

Additional USB Connector listing on page 81.

Test Leads, Clips & Posts

2097150 2097272 2097192

Recognized as an industry leader, Pomona Electronics has the broadest offering of connection and test accessories in the world. We have expanded our offering of RG58, RG59, & RG174 test cables with a variety of termination options. Additions include BNC to alligator clip, BNC, minigrabber, mini clip, micro clip and pigtail. We have also added spring loaded panel mount binding posts to complement our screw type chassis mount binding posts.

Part No.	Mfr.	Description	1	10
2097141	2249-E-36Rℛ	BNC male to male, RG59B/U	$16.95	$15.95
2097125	2249-K-36Rℛ	BNC male to male, RG174/U	22.95	21.95
2097150	5187-C-36Rℛ	BNC male to minigrabber test leads, RG58C/U	18.95	17.95
2097264	4995-0Rℛ	Binding post, spring loaded	20.95	19.95
2097272	4995-2Rℛ	Binding post, spring loaded	20.95	19.95
2097192	5165-0Rℛ	Shorting bar, insulated double banana plug with binding	12.95	11.95

See page 155 for our complete Test Lead offering

Solder Flux & Paste

Economical & Easy to Use

1586015 2097441

Chipquik's no clean solder flux and paste are packaged in 10cc syringes making it perfect for areas where room is tight. The syringe applicator allows you to use only as much material as is needed. Package includes tip and plunger. Water washable products don't need solvents for cleanup.

Part No.	Description	1	10
1586015	Solder flux, rework tackℛ	$13.95	$12.95
2098216	Solder flux, rework tack, water washableℛ	15.95	14.95
2098208	Solder paste, 63%SN, 37%PBℛ	19.95	18.95
2098224	Solder paste, 63%SN, 37%PB, water washableℛ	22.95	21.95
2097441	Solder paste, 96.5%SN, 3%AG, .5CUℛ	21.95	20.95
2098232	Solder paste, 96.5%SN, 3%AG, .5CU, water washableℛ	23.95	22.95

Additional products on page 166.

Fume Extractor System

Compact & Portable

The HV-2E replaces smaller less powerful counter top extractors and creates more work space in crowded labs & stations. The main unit features strong fan performance with both a pre-filter and standard filter. The internal pump system utilizes a brushless centrifugal fan motor that efficiently and quietly removes fumes. The 7' long flexible arms with 6.5" funnels can reach workstations with ease. The base is equipped with lockable casters for easy and safe movement.

- Airflow: 175m^3/hour
- Noise level: <50dB
- Voltage: 110V/220V
- Size: 13"W x 12"D x 17"H

Part No.	Product No.	Description	1	5
2099235	HV-2Eℛ	Fume extractor	$649.95	$599.95

More Fume Extractors on page 165.

Stranded Dual Rated Hook-Up Wire

Choose From 6 Different Colors!

Dual rated hook up wire is made of stranded tinned copper and is suited for applications that require a higher temp. range (-40˚ to 105˚C). This wire comes in 100' reels and is UL1007 & UL1569 approved and covered with Appliance Wiring Material approved PVC insulation and is intended for interconnection of circuits, wiring of computer and data processing equipment, appliances and automotive, Jameco carries 16 to 28 AWG.

AWG	Stranding	Black P/N	Red P/N	White P/N	Green P/N	Yellow P/N	Blue P/N	1	5	10
28	7 x 36	734611ℛ	734603ℛ	734610ℛ	734606ℛ	734605ℛ	734614ℛ	$6.95	$6.49	$5.95
26	7 x 34	734511ℛ	734503ℛ	734510ℛ	734506ℛ	734505ℛ	734514ℛ	7.95	7.29	6.49
24	7 x 32	734411ℛ	734403ℛ	734410ℛ	734406ℛ	734405ℛ	734414ℛ	8.95	7.95	6.95
22	7 x 30	734311ℛ	734303ℛ	734310ℛ	734306ℛ	734305ℛ	734314ℛ	9.95	8.95	7.95
20	10 x 30	734211ℛ	734203ℛ	734210ℛ	734206ℛ	734205ℛ	734214ℛ	12.95	11.95	10.95
18	16 x 30	734111ℛ	734103ℛ	734110ℛ	734106ℛ	734105ℛ	734114ℛ	16.95	15.49	13.95
16	26 x 30	734011ℛ	734003ℛ	734010ℛ	734006ℛ	734005ℛ	734014ℛ	19.95	17.95	15.95

Complete selection of Wire on pages 57-60.